With thanks to the Utah Legislature’s commitment to digital teaching and learning, the Utah Education and Telehealth Network (UETN) is proud to present the third iteration of the Utah School Technology Inventory.

With the support of school and district-level technology directors, administrators and statewide leadership, UETN and nonprofit partner Connected Nation have successfully collected over 17,000 new data points across 1,018 public schools. The data, focused on digital teaching and learning resources, inform decision-makers of the current state of instructional technology in the classroom and helps identify future teacher and student needs. Furthermore, this report allows Utah’s leaders to track changes in the technologies required for teaching and learning and to proactively recognize trends or outstanding issues that affect teachers and students.

This year’s inventory shows that over the past two years, Utah educational institutions have added nearly 200,000 new computing devices for students, showing a particularly significant increase in the use of Google Chromebooks. As a result, the device-per-student ratio in the state increased from 0.84 in 2017 to 1.11 in 2019. In fact, 30 percent of district and charter schools have established some form of a 1:1 mobile device program. In spite of that, only a small percentage of those schools allow those devices to be taken home by students.

This is the first inventory where we have identified whether or not wireless networks in schools were professionally engineered. It was found that 77 percent of schools have professionally designed networks, allowing for better connectivity in classrooms. While that number is promising, we are reminded that over 20 percent do not have professionally engineered networks.

The data also show differences in the age of wireless versus wired hardware. Overall, fewer schools reported wireless gear four years or older. However, the data shows that wired gear is becoming fairly outdated across the state. Forty percent of schools reported wired hardware four years or older with only 5 percent reporting wired hardware one year or newer.

The data from this year’s inventory are encouraging. Our commitment to enhance the digital teaching and learning environment for our students remains strong. Continuance of this inventory is of importance as it supports data-driven policy decisions and helps keep Utah at the forefront of the nation in providing quality educational experiences for its students. The data serve as a resource that policymakers can use to target the essential needs of Utah students. UETN will continue to collect, analyze, and report digital teaching and learning data in support of that need.

Sincerely,

Ray Timothy

CEO/Executive Director
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Project History and Key Findings
I. Project History and Key Findings

Technology has the power to equalize learning opportunities and award the same educational tools and experiences to students from the most rural of schools to the most urban. With a priority on world-class learning through technology, the state of Utah has been a trailblazer, not only through its commitment to connect schools to robust internet access, but also in its commitment to data-driven studies on how schools and districts use the technology available. With this commitment, the Utah Education and Telehealth Network (UETN) embarked on a third iteration of its School Technology Inventory, which comprehensively assesses digital teaching and learning resources available in every classroom throughout the state.

In 2015, the Utah legislature passed Senate Bill 222, which established a digital teaching and learning program that would be informed by a statewide inventory of classroom technology and related resources deployed across Utah’s public and charter schools. This legislation catalyzed the first iteration of the School Technology Inventory, which commenced in the fall of 2015 and concluded in January 2016. Nonprofit Connected Nation (CN) was selected by UETN to develop a data collection portal and lead the inventory effort, which was successful in gathering data from 100% of public schools (regular district and charter schools) across the state.

Following this success, the Utah legislature passed a second bill, House Bill 277 (see Appendix A), in 2017 that established the state’s Digital Teaching and Learning Grant Program. The program allotted grants to schools and districts seeking to improve student learning outcomes and professional learning opportunities for educators in the area of digital teaching and learning. To understand the investments made as a result of this legislation and, ultimately, the impact made in schools, UETN was charged with implementing a second iteration of the School Technology Inventory in late 2017. UETN continued its partnership with CN, and data was once again gathered and analyzed from 100% of the state’s public schools.

At the conclusion of the 2017 inventory, an assessment of lessons learned and opportunities for improvement in the data collection process resulted in UETN’s decision to build a new, custom data collection portal from the
ground up that can serve the needs of future inventory iterations. Beginning in mid-2018 with focus groups, surveys and dozens of conversations regarding how schools track and report data internally, the team applied the feedback received and developed a design plan. Then, the team selected a software developer via RFP and worked alongside them to ensure that the new portal would adequately address all identified needs. In October 2019, the new portal was launched and the third iteration of the inventory commenced on schedule.

The following report highlights the many findings of the 2019 inventory and offers a look back at historical data and trends observed dating back to the first iteration of the inventory in 2015.

**Key Results and Findings**

- Since 2015, Utah Local Educational Agencies (otherwise known as LEAs, which consist of charter schools and public school districts) have significantly increased their investment in Google Chromebooks that are available for student use; Utah schools report having approximately 155,000 more Google Chromebooks available for student use in 2019 than they did in 2017.
- Three out of 10 Utah schools (30%) have established some type of 1:1 mobile device program, up from 19% in 2017 and only 11% in 2015.
- LEAs report spending anywhere from nearly 3,800 hours to as little as one hour per week on technical support. Altogether, Utah LEAs own an average of 1,212 computing devices for every full-time equivalent (FTE) technical support employee, including staff and contractors. Meanwhile, schools report an average of 145.3 classroom teachers (full-time and part-time) per FTE instructional technology support staff.
- Between 2015 and 2019, the number of schools that offer Wi-Fi access via the 802.11ac protocol increased by nearly 60 percentage points, while those that still provide Wi-Fi service using 802.11b or other legacy standards (the slowest of the current Wi-Fi protocols) decreased by approximately 14 percentage points, with no significant changes from 2017.
- The majority of schools (53%) report that their Wi-Fi networks were designed by in-house professionals, while an additional 24% said their network was designed by outside contractors. Statewide, though, more than one in five schools said they had Wi-Fi networks that had not been professionally designed.
• Fifty percent of schools reported having wireless gear that was two years old or newer on average. This number is down slightly from 2017, yet the percent of schools reporting that their wireless gear was four years old or more decreased by eight percentage points since 2017.
• Wired hardware in Utah schools tends to be several years older than wireless gear on average. Two out of five schools report that their wired hardware is more than four years old on average. Meanwhile, only 5% said their wired hardware is newer than one year old on average, which is a decrease by more than half since 2017.
• A significant majority of Utah charter schools and school districts listed Google Apps, Microsoft Office and Adobe Creative Suite among their top educational software tools used in their schools.
• The percentage of LEAs using the Canvas LMS platform jumped substantially between 2017 and 2019 from 28% to 60%.
• All Utah LEAs report that they use some type of Student Information System (SIS) tools to help track attendance, grades and other important statistics, with Aspire being the most commonly used platform.
• Nearly nine out of 10 schools statewide (87%) have obtained at least some digital textbook licenses (or they use licenses acquired by their district).
02

Inventory Results
II. Inventory Results

The Utah School Technology Inventory included 66 questions posed to charter and district schools on topics ranging from computing devices; internet access; Wi-Fi connectivity; technology support; and both the current and anticipated use of a variety of digital learning tools.¹ The cumulative result of this year’s inventory is over 71,000 new points of data on the use of technology across 1,018 K-12 schools, representing 100% of the public school universe in Utah. Upon final review and analysis of the data submitted, Connected Nation found meaningful results based on information submitted in 2019, as well as in the trends observed by comparing 2019 data to those obtained in 2015 and 2017. All data were collected, compiled and validated by Connected Nation.

a. Computing Devices Available for Students and Educators

Across the state of Utah, students and educators are making technology access a priority. Districts and charter schools report that more than 740,000 computing devices are available to students in Utah schools, nearly 200,000 more than in 2017. This represents an average of 1.11 computing devices per student in 2019, an increase over the 2017 average of 0.84 devices per student and exceeding an average of one computing device per student in the state.

¹ In this report, the term “charter schools” refers to public schools created by groups of parents, teachers or community leaders within the state of Utah. These charter schools have had their applications approved by the State Charter School Board or the board of a school district. They do not include home schools, private schools, schools where applications may be pending, or schools that are not yet approved.
Since 2015, laptop and tablet computers have become more popular, while desktop computers have declined in use. This shift is likely due to the lower cost, growing processing power and portability of these mobile devices. In particular, Google Chromebooks have seen a significant upsurge between 2017 and 2019 (Figure 1).

Since 2015, Utah schools have increased their investment in Google Chromebooks available for student use; Utah schools report having approximately 155,000 more Google Chromebooks available for student use in 2019 than was reported in 2017. Overall, tablets and laptops of every model are gaining ground in Utah schools; since 2017, the number of each type of tablet and laptop device has grown, while the use of desktop computers of every type has decreased.
The number of computing devices for teachers also has increased over the years to approximately 90,000 computers in 2019, compared to just under 88,000 in 2017 and fewer than 74,000 in 2015 (Figure 2).

For educators, desktop computers running Windows operating systems are still the most widely used computing device, a trend that has continued since 2015. Meanwhile, tablets running Apple iOS are the most popular choice among portable computing devices for educators.
Across Utah schools, the number of portable computing devices such as laptops and tablets is growing at a faster rate than the number of desktop computers. Meanwhile, nearly two out of three schools (64%) report that their educators have their own wireless network, separate from the one used by students or (in some cases) the community.

b. Mobile Device Deployment Policies in Utah Schools

Utah schools have deployed mobile devices for their students in varying ways (Figure 3).

Statewide, two out of three Utah schools offer mobile devices to students via a cart that is used in a classroom or shared by several classes. More than one in five Utah schools (21%) offer their students mobile devices on a 1:1 basis through which the devices remain at the school, while an additional 9% allow their students access to mobile devices on a 1:1 basis under agreements by which students can take their devices home after school hours. Combined, this means that three out of 10 Utah schools (30%) have established some type of 1:1 mobile device program, up from 19% in 2017 and only 11% in 2015.
c. Technology Support Staffing in Utah Schools

To maintain the technology on which Utah students and teachers rely, schools require technical support professionals who are properly trained to diagnose and resolve any issues that may arise, as well as those who can advise administrators on technical improvements that may be needed. Schools also require employees and contractors who are equipped to provide instructional technology support to teachers in the classroom. These individuals handle tasks such as leading professional development training and coaching teachers on how to maximize the capabilities of various software and hardware to have a positive impact on student learning outcomes. For many schools, these tasks would be impossible without the support and assistance of volunteers in the community, whether that includes community members who are experts in the use of a certain type of technology, or teachers and administrators volunteering their time to help their peers understand how to best use technology in their schools.

Statewide, LEAs report that they own a total of more than 830,000 computing devices for teachers and students to use. Meanwhile, the number of hours that LEAs dedicate toward tech support for those computers varies depending on the district size, the number of computers it uses, and a number of other factors; as a result LEAs report spending anywhere from nearly 3,800 hours to as little as one hour per week on technical support. Altogether, Utah LEAs own an average of 1,212 computing devices for every full-time equivalent (FTE) Tech Support Staff, including employees and contractors (Figure 4).

![FIGURE 4
FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT IN UTAH SCHOOLS](image)
Many LEAs also lean on support from volunteers, either teachers or others in the community who are familiar with computer and software technology. In addition to teaching educators how to use software, these volunteers also provide IT support for hundreds of schools.

Across Utah, 18% of schools benefit from at least some volunteer assistance with technical support, while more than one in four (28%) get volunteer assistance with professional technology development (Figure 5).

d. Wi-Fi Access

To accommodate this growth in wireless devices, Utah schools are increasing the number of Wi-Fi access points in each classroom and educational space. Because each school faces its own unique challenges, each must follow its own strategy to ensure that wireless access is provided in an efficient manner that will meet the needs of its students, as well as its community. As a result, Wi-Fi access continues to increase — meaning faster and more reliable internet service for a greater number of students.
1. Wi-Fi Protocols Used in Utah Schools

The vast majority of Utah schools offer Wi-Fi via access points that employ the 802.11ac protocol, the fastest currently available, offering hypothetical download speeds of up to 1.73 Gbps from the access point to end-user (Figure 6). On the other hand, slightly more than one-third of schools still rely on Wi-Fi access via older protocols that may offer less than one-tenth of the speeds offered by 802.11ac technology.

In addition, educators must understand how to best utilize the technology tools they are provided; that job is the duty of the instructional tech support staff. Utah schools report an average of 145.3 classroom teachers (full-time and part-time) per FTE instructional technology support staff.

Between 2015 and 2019, the number of schools that offer Wi-Fi access via the 802.11ac protocol increased by nearly 60 percentage points, while those that still provide Wi-Fi service using 802.11b or legacy standards (the slowest of the current Wi-Fi protocols) decreased by approximately 14 percentage points, with no significant changes from 2017.
2. How School Wi-Fi Networks Were Designed

In addition to the unique needs faced by each Utah school, every school used different methods of designing their Wi-Fi networks. While some hired outside contractors, others relied on in-house experts to design and optimize the networks that provide wireless internet service to their students (Figure 7).

The majority of schools (53%) report that their Wi-Fi networks were engineered by professionals who work for their LEA, while an additional 24% said their network was designed by outside contractors. Statewide, though, more than one in five schools said they had Wi-Fi networks that had not been professionally engineered.
Schools must not only design and build their Wi-Fi networks, they also must maintain them. To that end, most schools carry out regular maintenance reviews to ensure that the quality of the network is top-notch (Figure 8).

Among the schools that have not conducted post-installation validation surveys, one in three (34%) report that their wireless gear is less than two years old on average — indicating that their network may be too new to warrant such a review.
For the majority of schools, this continued assessment and refinement of their Wi-Fi networks has resulted in coverage that reaches across their entire campus (Figure 9). More than nine out of 10 schools report that at least 80% of their buildings are covered by their current Wi-Fi network.
When asked about the reliability of the Wi-Fi connections at each school, the majority said they had no noticeable losses of Wi-Fi connectivity in the last year, and more than one in three said they experienced no significant slowdowns or degradations in the quality of their Wi-Fi connectivity in the last year (Figure 10).

**FIGURE 10**
PERCENT OF UTAH SCHOOLS REPORTING WI-FI CONNECTIVITY OUTAGES LAST YEAR

- No noticeable outages: 52%
- 1 - 4 outages: 41%
- 5 - 10 outages: 4%
- More than 10 outages: 2%
- School does not have Wi-Fi, or school building was not used all of last year: 1%
FIGURE 11
PERCENT OF UTAH SCHOOLS REPORTING NOTICEABLE WI-FI SLOWDOWNS LAST YEAR

- No noticeable slowdowns: 35%
- Slowdowns happen less than 10% of the time: 57%
- Slowdowns occur 10-20% of the time: 5%
- Slowdowns occur more than 20% of the time: 2%
- School does not have Wi-Fi, or school building was not used all of last year: 1%
3. Wi-Fi Access Points

In 2019, Utah schools report having 0.88 wireless access points per classroom or instructional space, continuing the upward trend of network densification from 0.58 access points per classroom in 2015 and 0.82 in 2017 (Figure 12).

Statewide, just over one-third of Utah schools (36%) report that they have at least one AP per classroom or instructional space, down from 2017 when 46% of schools reported the same.

While the ratio of one AP per classroom provides a simple means of measuring access point density — and to a certain extent, coverage — it is not necessarily an optimal standard or target for any given school. Proper access point distribution is best determined by a qualified engineer’s assessment of the school floor plan, its building materials and the capabilities of Wi-Fi equipment in use. Some LEAs have undertaken exhaustive measures to determine the optimal placement of their APs, and for those schools, a network with one AP per classroom may not be optimal, economical or prudent. These factors should be taken into account when assessing the quality of any school’s Wi-Fi network.

e. Hardware Age in Utah Schools

When asked the average age of the wireless hardware in each school, half of all schools (50%) reported having wireless gear that was two years old or newer (Figure 13). This number is down slightly from 2017, yet the percent of schools reporting their wireless gear was in the oldest age bracket also decreased by 8% since 2017.
By comparison, wired networking gear in Utah schools tends to be several year older on average. Two out of five schools report that their wired hardware is more than four years old on average (Figure 14). Meanwhile, only 5% said their wired hardware is newer than one year old on average, which is a decrease by more than half since 2017.
f. Educational Software Tools Used by Utah Schools

A significant majority of Utah charter schools and school districts listed Google Apps, Microsoft Office and Adobe Creative Suite among their top educational software tools used in their schools (Figure 15).

![FIGURE 15 TOP EDUCATIONAL SOFTWARE TOOLS IN UTAH]

The percent of LEAs using Canvas learning management system (LMS) jumped substantially between 2017 and 2019. While more than half of LEAs still use YouTube for their educational needs, that percentage has decreased since 2017, as has the share of LEAs where Microsoft Office is considered a top educational tool.

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2 Note that LEAs were asked to report on software at the district level. As such, if even one school used a particular software package, the LEA was asked to report that usage at the district level.
Every Utah LEA reports that it uses some type of Student Information System (SIS) tools to help track attendance, grades and other important statistics. Utah’s Aspire SIS is the most widely used, followed by a handful of other systems (Figure 16).
g. Licenses Owned for Digital Textbook Content

As schools incorporate digital technology in their classrooms, one key component to that transition is the acquisition of digital licenses for textbooks and related learning tools. These licenses allow teachers to access textbooks digitally or to supplement lessons from the textbooks with additional examples, as well as augment lesson plans in other ways that can help material come alive for students. For that reason, many schools are turning to online resources to complement or replace physical textbooks, at least in some subject areas (Figure 17).

![Figure 17: Schools Owning Digital Textbook Licenses](chart)

*Includes schools where licenses are owned by the district

Nearly nine out of 10 schools statewide (87%) have acquired at least some digital textbook licenses, or they use licenses owned by their school district. Some schools employ other solutions, such as seeking out digital lesson tools that are available for free or in the public domain. Slightly more than one in eight schools (13%) say they or their districts have not acquired any digital textbook licenses.
Among those schools that own digital licenses for select textbooks, the most popular subjects for digital textbook licenses are math and language arts, followed by science, social studies and career or technical education (Figure 18).

**FIGURE 18
DIGITAL TEXTBOOK LICENSES AMONG SCHOOLS THAT DO NOT OWN LICENSES FOR EVERY SUBJECT**
h. Instructional Software Needs

Schools also identify a variety of instructional software and tools that would benefit them and their students (Figure 19).

One out of four Utah schools (25%) say they do not see a need for any change and that they have no unmet needs for software or digital tools. Among those that did report educational software needs, the greatest demand was for science-related resources, tools to support student productions and online tools to assist in the development of math skills. Software to help students with special needs and online books also were noted by at least half of Utah schools.
Utah schools are split on whether adequate professional development and training resources are available in their respective budgets to assist teachers in effectively integrating mobile devices into their instructional practices. Just over half (51%) of schools say that they do believe that adequate resources are provided, while nearly as many (49%) feel that more can be done to improve these budgets.

i. District-Charter Comparisons
Because funding, administrative practices and student populations differ between charter schools and school districts, there are several differences between the two groups in terms of technology as well.

One such difference is in the number of computing devices available per student. Statewide, Utah schools average 1.11 computing devices per student, up from 0.84 in 2017; charter schools report a significantly lower ratio than district schools (Figure 20).

School districts and charter schools have both increased their computer-to-student ratio since 2017. Two years ago, school districts reported having 0.87 computing devices per student, and charter schools reported having only 0.62 computers per student, continuing an upward trend from 2015.

Charter and district schools alike provide their students with Google Chromebooks most often. The second most popular computing device in district schools is an Apple tablet running the iOS operating system, while among charter schools, Windows laptops rank second to Chromebooks.
To ensure these computing devices function at their optimal capacity, districts and charter schools both rely on an army of technical support staff, as well as instructional support staff who help make sure that educators know how to best utilize the software and hardware tools they have.

Across Utah, schools dedicate 0.93 Full-Time Equivalent (FTE) staff per 1,000 student computing devices each week (Figure 21). This includes those who are employed at individual schools, those who maintain computing systems district-wide, and contractor hours dedicated to providing technical support.

Charter schools dedicate 1.26 FTE per student computing devices per week, compared to 0.89 among district schools.

Both charter and district schools are equally likely to receive volunteer assistance for their technical support needs; 18% of district schools say they rely on volunteers for some of their technical support needs, compared to 17% of charter schools.
Both charter schools and public schools have made wireless internet available in their classrooms (Figure 22).

Utah district schools report having an average of 0.91 Wi-Fi access points per classroom or educational space, compared to 0.70 among charter schools.

These ratios have all increased since 2017, and it should be noted that a ratio of one AP per classroom isn’t necessarily the optimal target for AP distribution, which is best determined through a proper engineering analysis that takes into account such factors as building construction, equipment capabilities and band/channel management. For example, 72% of charter schools say that all of their classrooms are covered by adequate Wi-Fi service, compared to only 42% of district schools who report the same.
District schools in Utah are also relying on older wired and wireless equipment, in general (Figure 23).

A larger share of Utah district schools report having both wireless and wired gear that is four years or older on average.
Utah school districts are also more likely to identify additional instructional software needs (Figure 24).

A larger share of district schools in Utah report needing software tools of every stripe. The demand for these tools has increased among both charter and district schools since 2017.
Despite this gap, Utah district schools are more likely to have digital textbook licenses (or use digital textbooks under licenses owned by their districts). Nearly one in five Utah district schools (19%) have digital licenses for all of their textbooks, compared to only 12% of charter schools (Figure 25).

By comparison, more than one-quarter of Utah charter schools do not have any digital textbook licenses, compared to only 10% of district schools in the same situation.
Inventory Overview and Methodology
III. Inventory Overview and Methodology

Since 2015, Connected Nation and UETN have partnered to complete three successful iterations of the Utah School Technology Inventory (in 2015, 2017 and 2019), capturing robust data from every public school in Utah. Unique to the 2019 inventory was the development of a new data collection portal that included months of research and development complete with focus groups and surveys on ideal functions.

In both the portal development and data gathering portions of the Utah School Technology Inventory, Connected Nation continued to focus efforts on several key priorities that proved essential to project success.

<table>
<thead>
<tr>
<th>Relationship Management</th>
<th>Identifying key points of contact and building relationships that result in effective and timely participation.</th>
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<tbody>
<tr>
<td>Project Management</td>
<td>Competently managing processes, reports, and deliverables throughout the duration of the project, especially given the short timeline.</td>
</tr>
<tr>
<td>Portal Development</td>
<td>Designing an online data gathering interface that was simple for schools to use and project personnel to administer.</td>
</tr>
<tr>
<td>Data Collection Design</td>
<td>Leveraging Connected Nation’s previous school technology survey and data collection experience to develop a data collection process that was efficient and effective.</td>
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<tr>
<td>Communications</td>
<td>Developing an effective internal and external communications plan that efficiently garnered school participation.</td>
</tr>
<tr>
<td>Sustainability Planning</td>
<td>Ensuring that sustainable tools and processes were developed that will support future data collection cycles by UETN.</td>
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With these priorities in mind, the project plan was designed to include a number of distinct phases from building the portal from the ground up, to identifying initial points of contact, compiling results from 1,108 schools serving nearly 668,000 students.

### UTAH 2018–2020

<table>
<thead>
<tr>
<th>PHASE I</th>
<th>MAY 15, 2018 – AUG 30, 2018</th>
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| • Review of School Technology Inventory Process and Portal Redesign  
• Meetings with School District/Charter Advisory Group  
• Review of Options for Data Collection Tool |

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<th>PHASE II</th>
<th>SEP 26, 2018 – DEC 16, 2019</th>
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| • Release of Request for Quote and Vendor Selection  
• Development of Custom UETN School Technology Inventory Portal |

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<tr>
<th>PHASE III</th>
<th>JUN 6, 2019 – OCT 4, 2019</th>
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| • Inventory Launch Planning and Update  
• Communication Strategy Update  
• Local Point of Contact Identification |

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<tr>
<th>PHASE IV</th>
<th>OCT 7, 2019 – DEC 17, 2019</th>
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| • Portal Launch  
• Initial Data Collection  
• Preliminary Report Development and Presentation |

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<tr>
<th>PHASE V</th>
<th>NOV 25, 2019 – JAN 3, 2020</th>
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| • Finalize Data Collection Across All Districts and Charters  
• In-Person Site Visits to Non-responsive Districts and Charters |

<table>
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<tr>
<th>PHASE VI</th>
<th>JAN 3, 2020 – FEB 21, 2020</th>
</tr>
</thead>
</table>
| • Compilation and Summary of Findings  
• In-Person Presentation to the UETN Board |
Culminating with the delivery of this final report and complete dataset, Connected Nation delivered a new, streamlined and fully functional collection portal, an updated survey design, an effective communications and outreach strategy (which garnered participation from every public school in the state), and a preliminary report of findings. Each of these elements contributed to a successful 2019 inventory project overall and are described in greater detail below.

a. Survey Design and Portal Development

In the 2015 and 2017 inventory iterations, Connected Nation and UETN used a customized off-the-shelf data collection portal that, while effective, had many limitations, particularly as it related to the process flow for how school and district users could input the requested information. As a result, in 2018, UETN engaged with Connected Nation to plan for and build a new data collection portal from the ground up.

At the onset of that exercise, UETN and CN brought together a focus group composed of stakeholders that participated in previous inventories. Via live discussion and the completion of an online survey, these stakeholders provided extremely valuable input that influenced the design and process flow that would be incorporated into the new platform. Additionally, Connected Nation and UETN reviewed numerous other off-the-shelf inventory tools in the marketplace and concluded that all available school inventory management systems did not properly align with the specific needs of this state-level project. The team concluded that the best path forward would be to build a new custom portal that would address the needs of all stakeholders and support the execution of future inventories for many years to come.

Consistent with the original portal, the new system provides user-friendly functions such as a “save-and-return-later” functionality, as well as pre-populated data. Districts and charter schools were asked to fill out a profile for district-wide (or equivalent LEA authority) information, including contact information, number of schools administered by the entity, aggregate enrollment and staff data, and applications and assessment solutions that are in use across all schools in their respective jurisdictions. For tracking purposes, each LEA supplied its unique identification number that is assigned by the U.S. Department of Education’s National Center for Education Statistics (NCES).

The district or charter entity also was asked to create school-level profiles for each school that it administers. School profiles consisted of identifying information, a series of questions on wireless and hardware assets, perceived software and support needs and more — as detailed in the report’s findings above.
Unique to the redesigned portal is, among other things, the ability for district-level users to assign multiple user log-ins under the same master account — allowing for the delegation of data-gathering to school-specific points of contact. Additionally, the new portal allows a district to move freely among schools and edit responses at-will, rather than having to sequentially complete a school profile fully before being permitted to move on to the another school.

Overall, the new portal functioned as intended, with 100% of district and charter LEAs electing to use the portal itself for data entry rather than the optional pre-formatted Excel spreadsheet that had been used by larger districts in previous iterations of the inventory. Overall, users reported great satisfaction with the new design and its ease of use.³

b. Outreach

The continued success of the Inventory can largely be attributed to supportive school and district points-of-contact. Schools were asked to submit data during the end-of-semester testing period and pre-holiday/winter break season — all of which presented numerous competing priorities for local technology staff. To assist and offer support to schools and districts, UETN and Connected Nation engaged in a number of outreach activities, including on-site visits, personal emails and calls, and social media outreach to facilitate timely participation.

i. Regional Data Collection Managers

In December, Connected Nation deployed two data collection managers on the ground in Utah, assigned to specific designated regions, to facilitate local outreach. The data collection managers assisted smaller charter schools, many of which had very limited resources available to dedicate to the inventory. They also assessed much larger districts that faced the daunting task of amassing large amount of data to submit. By providing a one-on-one support system for points of contact, all remaining data were collected for a comprehensive and all-inclusive statewide analysis of school technology.

ii. Communications Efforts

In addition to word-of-mouth communications and on-site visits, UETN partnered with Connected Nation to develop a communications plan that would further supplement the ongoing data collection efforts. Through effective outreach strategies to build

³ In 2015 and 2017, several districts opted to submit data via a pre-formatted Excel spreadsheet rather than using the available portal.
awareness and increased participation, communications efforts aided the project in accomplishing its goal of 100% participation and understanding of why the inventory is important for Utah’s schools. Strategies employed included:

**Conference Calls and Webinars**
Through frequent internal touch points between Connected Nation and UETN, from the project’s earliest stages until its conclusion, clear and consistent internal communication remained a priority and necessity. Connected Nation and UETN also hosted two demonstration webinars regarding the new data collection portal, which allowed school and district points of contact the opportunity to learn how to use the application and ask questions regarding the information being collected.

**External Communications**
In order to increase visibility of the project, Connected Nation and UETN promoted the Utah School Technology Inventory across multiple media communications platforms including: UETN’s “News and Notables” page through www.uen.org, Facebook, Twitter and other communications channels.

Additionally, Connected Nation collaborated with UETN to launch a series of articles on why technology matters in the classroom. The series entitled “The Changing Classroom in Utah” highlighted how the use of technology in Utah classrooms has changed the way teachers teach and how students learn. The series also served as a reminder of why it was important for districts and charters to participate in the school technology inventory. Connected Nation interviewed various stakeholders including district technology leadership, teachers and students to get their insights in Beaver, Weber, Alpine and Juab School Districts.

Juab School District
Connected Nation and UETN highlighted the series via their respective websites and social media. Below is a screenshot of the series page at https://www.uen.org/schooltech/
<table>
<thead>
<tr>
<th>Date</th>
<th>School District</th>
<th>Title</th>
<th>Publication or Organization</th>
<th>Link to Story</th>
</tr>
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<td>N/A</td>
<td>Utah Education Network Asks School Districts to Track Technology in Classrooms</td>
<td>Utah Education Network</td>
<td><a href="https://connectednation.org/blog/2019/10/03/taking-inventory-utah-education-network-asks-school-districts-to-track-technology-in-classrooms/">https://connectednation.org/blog/2019/10/03/taking-inventory-utah-education-network-asks-school-districts-to-track-technology-in-classrooms/</a></td>
</tr>
<tr>
<td>11/6/19</td>
<td>Beaver Co.</td>
<td>Same</td>
<td>Beaver County Journal</td>
<td>The newspaper provided pdf's of the story – page 1 and page 2</td>
</tr>
<tr>
<td>11/12/19</td>
<td>Weber Co.</td>
<td>Same</td>
<td>Connected Nation blog</td>
<td><a href="https://connectednation.org/blog/2019/11/12/8709/">https://connectednation.org/blog/2019/11/12/8709/</a></td>
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<tr>
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<td>School District</td>
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<td>Publication or Organization</td>
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<td>-------------------------------------------------------------------------------</td>
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<tr>
<td>12/03/19</td>
<td>Wrap Up of Series</td>
<td>The Importance of Tracking Technology in Our Schools</td>
<td>Connected Nation blog</td>
<td><a href="https://connectednation.org/blog/2019/12/03/the-importance-of-tracking-technology-in-our-schools/">https://connectednation.org/blog/2019/12/03/the-importance-of-tracking-technology-in-our-schools/</a></td>
</tr>
</tbody>
</table>

To read the full stories from the series see Appendix G.
Conclusion
IV. Conclusion

With this third iteration of the Utah School Technology Inventory now complete, state and local leaders once again have a clear and timely picture of the state of digital teaching and learning assets and needs — unlike any other state in the country. The investment in data collection and analyses has resulted in informed action being taken by the Utah legislature to improve resources available to schools and districts, which is allowing Utah to remain a leader in both connectivity and digital teaching and learning resources.

With 100% of public schools in Utah once again participating in the Inventory, Utah’s leaders can ensure that all students have the opportunity for world-class learning opportunities enabled by technology and effective teaching practices. While this year’s inventory indicates across-the-board improvements, it also highlights opportunities for targeted future investment where needs remain.

In 2017, 19% of Utah educational institutions had deployed 1:1 mobile device initiatives, but only 6% allowed students to take their mobile devices home outside of school hours. In 2019, the number of 1:1 deployments has jumped to 30%, yet still only 9% of schools allow devices to go home with students. The age of hardware in schools is also worth noting, with 20% of LEAs reporting that the average age of their wireless hardware is four years old or older, while 40% of LEAs say their wired hardware is the same age or older. Additionally, 13% of schools have not acquired any digital content licenses for textbooks or other online resources.

While these facts are not necessarily a cause for concern, Utah’s leaders should be mindful of these statistics as they prioritize future investments. It is the goal of this report and its corresponding dataset to serve as a resource for informed action so that every student in every corner of the state has access to a world-class education — a goal that is only made possible through the prioritization of, and investment in, education technology and the ecosystem that supports its effective use.
Appendix A:
House Bill 277
PERSONALIZED LEARNING AND TEACHING AMENDMENTS

2016 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: John Knotwell

Senate Sponsor: J. Stuart Adams

LONG TITLE

General Description:

This bill creates the Digital Teaching and Learning Grant Program.

Highlighted Provisions:

This bill:

- enacts Title 53A, Chapter 1, Part 14, Digital Teaching and Learning Grant Program, including provisions related to the following:
  - definitions;
  - the digital teaching and learning master plan;
  - readiness assessments;
  - State Board of Education duties and LEA plan requirements;
  - implementation assessments and board interventions; and
  - procurement;
  - sunsets the Smart School Technology Program;
  - repeals language related to a whole-school one-to-one mobile device technology deployment plan; and
  - makes technical and conforming corrections.

Money Appropriated in this Bill:

This bill appropriates:

- to the State Board of Education -- Minimum School Program -- Related to Basic School Program -- Digital Teaching and Learning Program, as a one-time appropriation:
  - from the Education Fund, $220,000;
to the State Board of Education -- Minimum School Program -- Related to Basic School Program -- Digital Teaching and Learning Program, as an ongoing appropriation:

- from the Education Fund, $9,840,000;

- to the State Board of Education -- Minimum School Program -- Related to Basic School Program -- Digital Teaching and Learning Program, as a one-time appropriation:

- from the Education Fund, $3,780,000;

- to the Utah Education and Telehealth Network -- Digital Teaching and Learning Program, as an ongoing appropriation:

- from the Education Fund, $160,000; and

- to the Utah Education and Telehealth Network -- Digital Teaching and Learning Program, as a one-time appropriation:

- from the Education Fund, $1,000,000.

Other Special Clauses:

None

Utah Code Sections Affected:

AMENDS:

63I-2-253, as last amended by Laws of Utah 2015, Chapters 258, 418, and 456

63I-2-263, as last amended by Laws of Utah 2015, Chapters 182, 258, 283, 292, and 297

ENACTS:

53A-1-1401, Utah Code Annotated 1953

53A-1-1402, Utah Code Annotated 1953

53A-1-1404, Utah Code Annotated 1953

53A-1-1405, Utah Code Annotated 1953

53A-1-1406, Utah Code Annotated 1953

53A-1-1407, Utah Code Annotated 1953
Be it enacted by the Legislature of the state of Utah:

Section 1. Section 53A-1-1401 is enacted to read:

Part 14. Digital Teaching and Learning Grant Program

53A-1-1401. Title.

This part is known as "Digital Teaching and Learning Grant Program."

Section 2. Section 53A-1-1402 is enacted to read:


As used in this part:

(1) "Advisory committee" means the committee established by the board under Section 53A-1-1406.

(2) "Board" means the State Board of Education.

(3) "Digital readiness assessment" means an assessment provided by the board that:

(a) is completed by an LEA analyzing an LEA's readiness to incorporate comprehensive digital teaching and learning; and

(b) informs the preparation of an LEA's plan for incorporating comprehensive digital teaching and learning.

(4) "High quality professional learning" means the professional learning standards described in Section 53A-3-701.

(5) "Implementation assessment" means an assessment that analyzes an LEA's implementation of an LEA plan, including identifying areas for improvement, obstacles to
implementation, progress toward the achievement of stated goals, and recommendations going forward.

(6) "LEA plan" means an LEA's plan to implement a digital teaching and learning program that meets the requirements of this section and requirements set forth by the board and the advisory committee.

(7) "Local education agency" or "LEA" means:

(a) a school district;
(b) a charter school; or
(c) the Utah Schools for the Deaf and the Blind.

(8) "Program" means the Digital Teaching and Learning Grant Program established in this part and as described in a proposal adopted by the digital teaching and learning task force in accordance with Section 53A-1-1403.

(9) "Utah Education and Telehealth Network" or "UETN" means the Utah Education and Telehealth Network created in Section 53B-17-105.

Section 3. Section 53A-1-1403, which is renumbered from Section 53A-1-710 is renumbered and amended to read:

[53A-1-710]. 53A-1-1403. Digital teaching and learning program task force -- Funding proposal for a program -- Master plan -- Reporting requirements.

[(1) As used in this section:]

[(a) "Board" means the State Board of Education:]
[(b) "Core subject areas" means the following subject areas:]
[(i) English language arts;]
[(ii) mathematics;]
[(iii) science; and]
[(iv) social studies:]
[(c) "High quality professional learning" means the professional learning standards described in Section 53A-3-701:]
[(d) "LEA plan" means an LEA's plan to implement a digital teaching and learning program that meets the requirements of this section and requirements set forth by the board and the advisory committee.}
program that meets requirements set by the board:]  

[(e) "Local education agency" or "LEA" means:]  

[(i) a school district;]  

[(ii) a charter school; or]  

[(iii) the Utah Schools for the Deaf and the Blind.]  

[(f) "Statewide assessment" means a test of student achievement in English language arts, mathematics, or science, including a test administered in a computer adaptive format, which is administered statewide under Part 6, Achievement Tests.]  

[(g) "Utah Education and Telehealth Network" or "UETN" means the Utah Education and Telehealth Network created in Section 53B-17-105.]  

[(2) (1) (a) The board shall establish a digital teaching and learning task force to develop a funding proposal to present to the Legislature for digital teaching and learning in elementary and secondary schools.  

(b) The digital teaching and learning task force shall include representatives of:  

(i) the board;  

(ii) UETN;  

(iii) LEAs; and  

(iv) the Governor's Education Excellence Commission.  

[(3) (2) (a) The board, in consultation with the digital teaching and learning task force created in Subsection [(2) (1), shall create a funding proposal for a statewide digital teaching and learning program designed to:  

(i) improve student outcomes through the use of digital teaching and learning technology; and  

(ii) provide high quality professional learning for educators to improve student outcomes through the use of digital teaching and learning technology.  

(b) The board shall:  

(i) identify outcome based metrics to measure student achievement related to a digital teaching and learning program; and
(ii) develop minimum benchmark standards for student achievement and school level outcomes to measure successful implementation of a digital teaching and learning program. 

[(4)] (3) As funding allows, the board shall develop a master plan for a statewide digital teaching and learning program, including the following:

(a) a statement of purpose that describes the objectives or goals the board will accomplish by implementing a digital teaching and learning program;

(b) a forecast for fundamental components needed to implement a digital teaching and learning program, including a forecast for:

(i) student and teacher devices;

(ii) Wi-Fi and wireless compatible technology;

(iii) curriculum software;

(iv) assessment solutions;

(v) technical support;

(vi) change management of LEAs;

(vii) high quality professional learning;

(viii) Internet delivery and capacity; and

(ix) security and privacy of users;

(c) a determination of the requirements for:

(i) statewide technology infrastructure; and

(ii) local LEA technology infrastructure;

(d) standards for high quality professional learning related to implementing and maintaining a digital teaching and learning program;

(e) a statewide technical support plan that will guide the implementation and maintenance of a digital teaching and learning program, including standards and competency requirements for technical support personnel;

(f) (i) a grant program for LEAs; or

(ii) a distribution formula to fund LEA digital teaching and learning programs;

(g) in consultation with UETN, an inventory of the state public education system's
current technology resources and other items and a plan to integrate those resources into a
digital teaching and learning program;
(h) an ongoing evaluation process that is overseen by the board;
(i) proposed rules that incorporate the principles of the master plan into the state's
public education system as a whole; and
(j) a plan to ensure long-term sustainability that:
(i) accounts for the financial impacts of a digital teaching and learning program; and
(ii) facilitates the redirection of LEA savings that arise from implementing a digital
teaching and learning program.
[(5)] (4) UETN shall:
(a) in consultation with the board, conduct an inventory of the state public education
system's current technology resources and other items as determined by UETN, including
software;
(b) perform an engineering study to determine the technology infrastructure needs of
the public education system to implement a digital teaching and learning program, including
the infrastructure needed for the board, UETN, and LEAs; and
(c) as funding allows, provide infrastructure and technology support for school districts
and charter schools.
[(6)] (5) On or before December 1, 2015, the board and UETN shall present the
funding proposal for a statewide digital teaching and learning program described in Subsection
[(3)] (2) to the Education Interim Committee and the Executive Appropriations Committee,
including:
(a) the board's progress on the development of a master plan described in Subsection
[(4)] (3); and
(b) the progress of UETN on the inventory and study described in Subsection [(5)] (4).
Section 4. Section 53A-1-1404 is enacted to read:
Beginning July 1, 2016, and ending July 1, 2021, each LEA, including each school
within an LEA, shall annually complete a digital readiness assessment.

Section 5. Section 53A-1-1405 is enacted to read:

53A-1-1405. Digital Teaching and Learning Grant Program -- Board duties --

Advisory committee -- LEA plan requirements.

(1) There is created the Digital Teaching and Learning Grant Program to improve educational outcomes in public schools by effectively incorporating comprehensive digital teaching and learning technology.

(2) The board shall:

(a) in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, adopt rules for the administration of the program, including rules requiring:

(i) an LEA plan to include measures to ensure that the LEA monitors and implements technology with best practices, including the recommended use for effectiveness;

(ii) an LEA plan to include robust goals for learning outcomes and appropriate measurements of goal achievement;

(iii) an LEA to demonstrate that the LEA plan can be fully funded by grant funds or a combination of grant and local funds; and

(iv) an LEA to report on funds from expenses previous to the implementation of the LEA plan that the LEA has redirected after implementation;

(b) establish an advisory committee to make recommendations on the program and LEA plan requirements and report to the board; and

(c) in accordance with this part, approve LEA plans and award grants.

(3) (a) The board shall, subject to legislative appropriations, award a grant to an LEA:

(i) that submits an LEA plan that meets the requirements described in Subsection (4); and

(ii) for which the LEA's leadership and management members have completed a digital teaching and learning leadership and implementation training as provided in Subsection (3)(b).

(b) The board or its designee shall provide the training described in Subsection (3)(a)(ii).
(4) The board shall establish requirements of an LEA plan that shall include:
   (a) the results of the LEA's digital readiness assessment and a proposal to remedy an
       obstacle to implementation or other issues identified in the assessment;
   (b) a proposal to provide high quality professional learning for educators in the use of
digital teaching and learning technology;
   (c) a proposal for leadership training and management restructuring, if necessary, for
       successful implementation;
   (d) clearly identified targets for improved student achievement, student learning, and
       college readiness through digital teaching and learning; and
   (e) any other requirement established by the board in rule in accordance with Title
       63G, Chapter 3, Utah Administrative Rulemaking Act, including an application process and
       metrics to analyze the quality of a proposed LEA plan.

(5) The board or the board's designee shall establish an interactive dashboard available
to each LEA that is awarded a grant for the LEA to track and report the LEA's long-term,
intermediate, and direct outcomes in realtime and for the LEA to use to create customized
reports.

(6) (a) There is no federal funding, federal requirement, federal education agreement,
or national program included or related to this state adopted program.

(b) Any inclusion of federal funding, federal requirement, federal education agreement,
or national program shall require separate express approval as provided in Title 53A, Chapter
1, Part 9, Implementing Federal or National Education Program Act.

Section 6. Section **53A-1-1406** is enacted to read:

**53A-1-1406. Implementation assessment -- Board intervention.**

(1) (a) An LEA that receives a grant as provided in Section 53A-1-1405 shall:
   (i) subject to Subsection (1)(b), complete an implementation assessment for each year
       that the LEA is expending grant money; and
   (ii) (A) report the findings of the implementation assessment to the board; and
   (B) submit to the board a plan to resolve issues raised in the implementation
(b) Each school within the LEA shall:

(i) complete an implementation assessment; and

(ii) submit a compilation report that meets the requirements described in Subsections (1)(a)(ii)(A) and (B).

(2) The board or the board's designee shall review an implementation assessment and review each participating LEA's progress from the previous year, as applicable.

(3) The board shall establish interventions for an LEA that does not make progress on implementation of the LEA's implementation plan, including:

(a) nonrenewal of, or time period extensions for, the LEA's grant;

(b) reduction of funds; or

(c) other interventions to assist the LEA.

Section 7. Section 53A-1-1407 is enacted to read:


(1) In accordance with Title 63G, Chapter 6a, Utah Procurement Code, the board shall contract with an independent evaluator to:

(a) annually evaluate statewide direct and intermediate outcomes beginning the first year that grants are awarded, including baseline data collection for long-term outcomes;

(b) in the fourth year after a grant is awarded, and each year thereafter, evaluate statewide long-term outcomes; and

(c) report on the information described in Subsections (1)(a) and (b) to the board.

(2) (a) To implement an LEA plan, a contract, in accordance with Title 63G, Chapter 6a, Utah Procurement Code, or other agreement with one or more providers of technology powered learning solutions and one or more providers of wireless networking solutions may be entered into by:

(i) UETN, in cooperation with or on behalf of, as applicable, the board, the board's designee, or an LEA; or

(ii) an LEA.
(b) A contract or agreement entered into under Subsection (2)(a) may be a contract or agreement which:

(i) UETN enters into with a provider and payment for services is directly appropriated by the Legislature, as funds are available, to UETN;

(ii) UETN enters into with a provider and pays for the provider's services and is reimbursed for payments by an LEA that benefits from the services;

(iii) UETN negotiates the terms of on behalf of an LEA that enters into the contract or agreement directly with the provider and the LEA pays directly for the provider's services; or

(iv) an LEA enters into directly, pays a provider, and receives preapproved reimbursement from a UETN fund established for this purpose.

(c) If an LEA does not reimburse UETN in a reasonable time for services received under a contract or agreement described in Subsection (2)(b), the board shall pay the balance due to UETN from the LEA's funds received under Chapter 17a, Part 1, Minimum School Program.

(d) If UETN negotiates or enters into an agreement as described in Subsection (2)(b)(ii) or (2)(b)(iii), and UETN enters into an additional agreement with an LEA that is associated with the agreement described in Subsection (2)(b)(ii) or (2)(b)(iii), the associated agreement may be treated by UETN and the LEA as a cooperative procurement, as that term is defined in Section 63G-6a-103, regardless of whether the associated agreement satisfies the requirements of Section 63G-6a-2105.

Section 8. Section 63I-2-253 is amended to read:

63I-2-253. Repeal dates -- Titles 53, 53A, and 53B.

(1) Section 53A-1-403.5 is repealed July 1, 2017.

(2) Subsection 53A-1-410(5) is repealed July 1, 2015.

(3) Section 53A-1-411 is repealed July 1, 2017.

(4) Section 53A-1a-513.5 is repealed July 1, 2017.

(5) Section 53A-1-709 is repealed July 1, 2020.

[(5)] (6) Title 53A, Chapter 1a, Part 10, UPSTART, is repealed July 1, 2019.
Title 53A, Chapter 8a, Part 8, Peer Assistance and Review Pilot Program, is repealed July 1, 2017.

Section 9. Section 63I-2-263 is amended to read:

63I-2-263. Repeal dates, Title 63A to Title 63N.
(1) Section 63A-5-104.1 is repealed on January 1, 2016.
(2) Section 63C-9-501.1 is repealed on July 1, 2015.
(3) Title 63C, Chapter 15, Prison Relocation Commission, is repealed on January 1, 2016.
(4) Subsection 63N-3-103(1)(d) is repealed on July 1, 2015.
(5) Subsection 63N-3-109(2)(f)(i)(B) is repealed July 1, 2020.
(6) Section 63N-3-110 is repealed July 1, 2020.
[(7)] (7) Subsection 63N-12-208(3) is repealed on January 1, 2016.

Section 10. Appropriation.
Under the terms and conditions of Title 63J, Chapter 1, Budgetary Procedures Act, for the fiscal year beginning July 1, 2015, and ending June 30, 2016, the following sums of money are appropriated from resources not otherwise appropriated, or reduced from amounts previously appropriated, out of the funds or amounts indicated. These sums of money are in addition to amounts previously appropriated for fiscal year 2016.

To State Board of Education -- Minimum School Program -- Related to Basic School Program -- Digital Teaching and Learning Program

From Education Fund, One-time $220,000

Schedule of Programs:

Digital Teaching and Learning Program $220,000

The Legislature intends that:
(1) the State Board of Education use $220,000 of the appropriation under this section to administer and evaluate the program, provide professional development and other assistance to LEAs, and contract with third party providers to assist with the administration of the program as described in Title 53A, Chapter 1, Part 14, Digital Teaching and Learning Grant
(2) under Section 63J-1-603, the appropriations described in this section not lapse at the close of fiscal year 2016.

Section 11. Appropriation.

Under the terms and conditions of Title 63J, Chapter 1, Budgetary Procedures Act, for the fiscal year beginning July 1, 2016, and ending June 30, 2017, the following sums of money are appropriated from resources not otherwise appropriated, or reduced from amounts previously appropriated, out of the funds or amounts indicated. These sums of money are in addition to amounts previously appropriated for fiscal year 2017.

Item 1 To State Board of Education -- Minimum School Program -- Related to Basic School Program -- Digital Teaching and Learning Program

- From Education Fund $9,840,000
- From Education Fund, One-time $3,780,000

Schedule of Programs:

- Digital Teaching and Learning Program $13,620,000

Item 2 To Utah Education and Telehealth Network -- Digital Teaching and Learning Program

- From Education Fund $160,000
- From Education Fund, One-time $1,000,000

Schedule of Programs:

- Digital Teaching and Learning Program $1,160,000

The Legislature intends that:

(1) except as provided in Subsection (2) or (3), the State Board of Education use the appropriation to the State Board of Education under this section to distribute money to LEAs as part of the grant program described in Title 53A, Chapter 1, Part 14, Digital Teaching and Learning Grant Program;

(2) the State Board of Education may use up to $187,600 of the ongoing appropriation to the State Board of Education to administer and evaluate the program, and provide other
366 assistance to LEAs;
367 (3) the State Board of Education may use up to $780,000 of the one-time appropriation
368 to the State Board of Education to administer and evaluate the program, provide professional
369 development, and contract with third party providers to assist with the administration of the
370 program as described in Title 53A, Chapter 1, Part 14, Digital Teaching and Learning Grant
371 Program;
372 (4) the Utah Education and Telehealth Network may use up to $160,000 of the ongoing
373 appropriation to the Utah Education and Telehealth Network to administer the program;
374 (5) the Utah Education and Telehealth Network use the $1,000,000 one-time
375 appropriation to the Utah Education and Telehealth Network for infrastructure and other
376 technology for LEAs; and
377 (6) under Section 63J-1-603, the appropriations described in this section:
378 (a) not lapse at the close of fiscal year 2017; and
379 (b) may be used in fiscal year 2018, 2019, or 2020.
Appendix B:
Inventory Questions
2019 Utah School Tech Inventory Questions

SCHOOL DISTRICT INFORMATION

- Local Education Agency Type
  - Charter
  - District
- School District of Local Education Agency (LEA) Name:
- NCES District ID Number:
- Street Address
  - Street Address
  - Suite/Office Number
  - City
  - State
  - ZIP Code
  - Phone Number

DISTRICT QUESTIONS

1. How many total hours are dedicated to providing technical support per week?
   
   This question is to assess paid-for technical support services. Please include all paid hours (salary, hourly, stipend, prep time, interns, etc.) for those providing this support service for schools and/or the district office.

   LEA Employees - number of hours per week on average: ______
   Non-LEA Contracted Workers - hours per week on average: ______

   (For example - you have three full time 40 hours a week and one part time 20 hours a week technical professional employed by the LEA, your total hours to report would be 140 hours per week for the LEA Employees. You also have a contract with a local vendor for an additional 10 hours a week for network support, your total hours to report would be 10 hours per week for Non-LEA contracted work.)

2. How many total hours are dedicated to providing instructional technology support (professional development, coaching/mentoring for teachers, etc.) per week?
   
   This question is to assess the amount of paid time spent on instructional technology support services. Please include all paid hours (salary, hourly, stipend, prep time, interns, etc.) for those providing this support service for schools and or the district office. This does not include unpaid volunteer or internship hours.

   LEA Employees - number of hours per week on average: ______
Non-LEA Contracted Work - hours per week on average: ______

(For example: An LEA with three full-time employees (each working 40 hours a week) and one part-time technical professional employed by the LEA (working 20 hours a week on average) would report 140 hours per week for the LEA Employees. An LEA that contracts with a local vendor for an additional 10 hours a week for network support would report 10 hours per week for Non-LEA contracted work.)

3. What are the top software applications that are being used to support teaching and learning in your district?
   - Adobe Creative Suite
   - ALEKS-Math
   - Canvas (LMS)
   - eMedia
   - Google Apps for Education
   - Microsoft Office
   - UEN Open Educational Resources
   - Utah’s Online Library
   - YouTube
   - (Other) Literacy Software
   - (Other) LMS
   - (Other) Math Software
   - Other (Please specify): _______________________

4. What are the top assessment solutions that are currently in use in your district?
   - AAPPL
   - ACT
   - ACT Aspire
   - Canvas
   - Dibels
   - iReady
   - KITE
   - Mastery Connect
   - NWEA
   - RISE
   - Sage
   - SAT
   - UTIPS
   - Utah Aspire Plus
   - Utah Compose
   - WIDA
   - Other (Please specify): _______________________
5. Does the school have a student information system (SIS) in place? If yes, what platform?
   ▪ No
   ▪ Yes - Aspire
   ▪ Yes - Other________

6. Does your district utilize Microsoft Active Directory (AD) for student and teacher accounts?
   ▪ Yes
   ▪ No

7. Does your district or charter school have individual e-mail accounts set up for students? If so, please select the grade level(s) for which accounts have been set up.
   ▪ N/A. We do not have accounts set up for student use.
   ▪ Pre-K
   ▪ Kindergarten
   ▪ 1st
   ▪ 2nd
   ▪ 3rd
   ▪ 4th
   ▪ 5th
   ▪ 6th
   ▪ 7th
   ▪ 8th
   ▪ 9th
   ▪ 10th
   ▪ 11th
   ▪ 12th

8. What platform is used for student e-mail accounts?
   ▪ Local or Hosted Microsoft Exchange Server
   ▪ Outlook.com
   ▪ Google Gmail
   ▪ Yahoo! Mail
   ▪ Apple iCloud Mail
   ▪ Other (Please specify): _______________________

9. What type of firewall is employed at this district/school?

10. What type of content filter is in place at this district/school?

11. Is off-campus connectivity important for your students? How do you anticipate that teaching & learning in your school could benefit from 24/7 access for every student?
SCHOOL INFORMATION

- School Name
- NCES School ID Number
- Street Address
  - Street Address
  - Suite/Office Number
  - City
  - State
  - ZIP Code
  - Phone Number

SCHOOL PROFILE QUESTIONS

1. School Category
   - Elementary School
   - Middle School
   - High School
   - Combined School (e.g., K-12 or 7-12)

2. Grades Served By This School Please check all that apply
   - Pre-K
   - Kindergarten
   - 1st
   - 2nd
   - 3rd
   - 4th
   - 5th
   - 6th
   - 7th
   - 8th
   - 9th
   - 10th
   - 11th
   - 12th
   - 12+ (Programs beyond grade 12)

3. Number of Students Enrolled (as of October 1)

4. Number of Classroom Teachers, including full-time, part-time, and contractors (as of November 1)
5. How many active instructional spaces (e.g., classrooms, libraries, gymnasiums, cafeterias, labs, and other separate spaces used for instruction) does the school contain in total? (Do NOT count offices, closets, and storage areas)

NETWORK QUESTIONS

1. Does this school currently have a Wi-Fi network in place?
   - Yes
   - No

2. How many wireless access points (APs) are currently deployed school-wide (including outdoor units)?

3. Has the school’s Wi-Fi network been professionally designed and the correct AP placement and configuration completed according to that design?
   - Yes, we used a contractor to conduct a professional Wi-Fi design
   - Yes, we performed an in-house professional Wi-Fi design and AP configuration using software (example: AirMagnet, Ekahau, etc.)
   - No, we have not had our Wi-Fi network professionally designed
   - Not applicable, we do not have Wi-Fi
   - Other (Please specify): _______________________

4. Has there been a professional post-installation validation survey of the school’s Wi-Fi network?
   - Yes, it was done within the last year
   - Yes, it was done within the last 2 to 5 years
   - Yes, it was done over 5 years ago
   - No, we have never had a post-installation validation survey of the school’s Wi-Fi network
   - Not applicable, we do not have Wi-Fi

5. Which statement best describes the Wi-Fi user experience in your school in terms of noticeable Wi-Fi outages (“noticeable” means outages lasting more than a few minutes)?
   - The school does not have noticeable Wi-Fi outages during the school year
   - The school has 1 to 4 noticeable Wi-Fi outages during the school year
   - The school has 5 to 10 noticeable Wi-Fi outages during the school year
   - The school has more than 10 noticeable Wi-Fi outages during the school year
   - Not applicable, we do not have Wi-Fi or this is a new school

6. Which statement best describes the Wi-Fi user experience in your school in terms of noticeable Wi-Fi slowdowns (“noticeable” means those lasting more than a few minutes)?
   - Students and teachers do not experience noticeable Wi-Fi slowdowns during school time
• Students and teachers experience noticeable Wi-Fi slowdowns less than 10% of the time during school
• Students and teachers experience noticeable Wi-Fi slowdowns between 10% and 20% of the time during school
• Students and teachers experience noticeable Wi-Fi slowdowns more than 20% of the time during school
• Not applicable, we do not have Wi-Fi or this is a new school

7. Which statement best describes the Wi-Fi coverage in your school?
   • 100% of the school building has adequate Wi-Fi coverage (all rooms are covered)
   • 80%-99% of the school building has adequate Wi-Fi coverage
   • 60%-79% of the school building has adequate Wi-Fi coverage
   • Less than 60% of the school building has adequate Wi-Fi coverage
   • Not applicable, we do not have Wi-Fi

8. What wireless standard(s) is/are employed by the wireless APs currently serving the school?
   • 802.11a
   • 802.11b
   • 802.11g
   • 802.11n
   • 802.11ac
   • Not applicable, we do not have Wi-Fi

9. What is the dominant vendor of your wireless networking gear?
   • Aerohive
   • Aruba
   • Cisco
   • HP
   • Meraki
   • Ruckus
   • Xirrus
   • Fortinet
   • Ubiquiti
   • Not applicable, we do not have Wi-Fi
   • Other (Please specify): ____________________

10. In your school, what is the controller environment for your wireless network?
    • Cloud-Based Controller (Aerohive, Meraki, etc)
    • Wireless Controller Located On-Site at the school
    • Wireless Controller Shared w/ Other Schools
    • Controllerless wireless environment
    • Not applicable, we do not have Wi-Fi
11. What is the average age of the wireless gear installed in this school?
   - Less than 1 year old
   - 1 year old
   - 2 years old
   - 3 years old
   - 4 years or older
   - Not applicable

12. Are teachers, staff and administrators connected to a separate network (VLAN, etc.) than the one that students use?
   - Yes
   - No

13. What is the dominant vendor of your **wired** networking gear?
   - Brocade/Ruckus
   - Cisco
   - Extreme
   - HP
   - Juniper
   - Meraki
   - Fortinet
   - Dell
   - Ubiquiti
   - Other (Please specify): _________________

14. What is the current standard switch vendor for the equipment installed in this school?

15. Indicate the total number of switch ports installed in the school for the following:
   - 100Mbs: _____
   - 1 Gbs: _____
   - 10 Gbs: _____
   - Other (over 10 Gbs): _____

16. What is the average age of the wired gear installed in this school?
   - Less than 1 year old
   - 1 year old
   - 2 years old
   - 3 years old
   - 4 years or older
   - Not applicable
17. What is the predominant wiring technology in this school?
   - Cat 4
   - Cat 5
   - Cat 5e
   - Cat 6
   - Cat 6a

18. Is the filtering solution hardware-based (i.e., in the network) or software-based (i.e., installed on the device)?
   - Hardware-Based
   - Software-Based

**HARDWARE QUESTIONS**

1. To what extent have mobile computing devices already been deployed in the school?
   - On a 1:1 basis (students can take the devices home at night)
   - On a 1:1 basis (devices cannot be removed from school)
   - On a cart for in-classroom use only
   - Only available for check-out from the school library, media center, or computer lab
   - No school-owned mobile computing devices, but students are allowed to use their own personal mobile devices in school under BYOD (“Bring Your Own Device”) policy
   - None

2. How many devices are currently deployed and in active use in the school? For student use:

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Number of Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Desktop</td>
<td></td>
</tr>
<tr>
<td>Windows Laptop</td>
<td></td>
</tr>
<tr>
<td>Mac Desktop</td>
<td></td>
</tr>
<tr>
<td>Mac Laptop</td>
<td></td>
</tr>
<tr>
<td>Google Chromebook</td>
<td></td>
</tr>
<tr>
<td>Windows Tablet</td>
<td></td>
</tr>
<tr>
<td>Android Tablet</td>
<td></td>
</tr>
<tr>
<td>Apple iOS Tablet (iPad Pro, iPad, or iPad Mini)</td>
<td></td>
</tr>
</tbody>
</table>
3. How many devices are currently **deployed** and **in active use** in the school? Used by Teachers/Administrators

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Number of Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Desktop</td>
<td></td>
</tr>
<tr>
<td>Windows Laptop</td>
<td></td>
</tr>
<tr>
<td>Mac Desktop</td>
<td></td>
</tr>
<tr>
<td>Mac Laptop</td>
<td></td>
</tr>
<tr>
<td>Google Chromebook</td>
<td></td>
</tr>
<tr>
<td>Windows Tablet</td>
<td></td>
</tr>
<tr>
<td>Android Tablet</td>
<td></td>
</tr>
<tr>
<td>Apple iOS Tablet (iPad Pro, iPad, or iPad Mini)</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

4. Does the school have a Mobile Device Management (MDM) solution in place to manage school-owned devices? If yes, please name the solution(s).
   - Yes, a single solution (Please specify): ____________________
   - Yes, multiple solutions (Please specify and use commas to separate entries):
     __________
   - No or not applicable

**SOFTWARE QUESTIONS**

1. Does the school already own digital content licenses for its textbooks
   - Yes, all textbooks
   - Yes, some textbooks (but not all)
   - None
   - Other (Please Explain) ____________________

2. If your school owns digital content licenses for some textbooks, but not all, in which subject areas does the school already own digital content licenses?
   - Language Arts
   - Math
   - Science
3. What are your needs for instructional software and tools? (check all that apply)
   - No changes. We have what we need.
   - Math
   - Language Arts
   - Videos/Games/Apps
   - Science
   - Social Studies/World Languages
   - Test Prep
   - Teacher Professional Development Software
   - Open Educational Resources
   - Counseling/Comprehensive Guidance
   - Learning Management System (Canvas or other)
   - Tools for Student Products (coding, video editing, etc.)
   - Software for Students with Special Needs
   - Research Database (like Utah Online/Pioneer Library)
   - Tools to Track Student Use
   - Books, Online Books
   - Other (Please specify): __________________________

OTHER QUESTIONS

1. In your judgment, are adequate professional development and training resources available in your school district’s budget to help teachers effectively integrate mobile devices into their teaching practice? If no, how could they be improved?
   - Yes
   - No (Please Explain) ________________________________

2. Please select the statement that best describes your utilization of volunteers for technology support for the school. This should include non-paid technical support that is provided by students, interns, teachers, vendors, community members, and/or parents.
   - The school does not rely on volunteers for technology support services
   - The school uses volunteers for less than 10% of total technology support services
   - The school uses volunteers for 10% - 20% of total technology support services
   - The school uses volunteers for over 20% of total technology support services

3. Please select the statement that best describes your utilization of volunteers for technology professional development (professional development, coaching/mentoring for teachers or administrators etc.) for the school. This should include non-paid instructional technology
training that is provided by students, interns, teachers, vendors, community members, and/or parents.

- The school does not rely on volunteers for professional development services
- The school uses volunteers for less than 10% of the total technology professional development services
- The school uses volunteers for 10% - 20% of total technology professional development services
- The school uses volunteers for over 20% of total technology professional development services
Appendix C: About Connected Nation
Connected Nation is a leading technology organization committed to bringing affordable high-speed internet and broadband-enabled resources to all Americans. Headquartered in Bowling Green, Kentucky, Connected Nation has operated programs in more than 30 states in collaboration with public and private partners and was the largest single grantee under the United States Department of Commerce’s State Broadband Initiative (SBI) grant program—managing more than $50 million in grant-funded broadband mapping and planning projects in 2009-2015.

Connected Nation’s mission is to improve lives by providing innovative solutions that expand the access, adoption, and use of high-speed internet to all people. Through its projects, Connected Nation effectively raises the awareness of the value of broadband-related technologies by developing coalitions of influencers and enablers for improving technology access, adoption, and use. Connected Nation works with consumers, community leaders, states, technology providers, and foundations to develop and implement technology expansion programs with core competencies centered on a mission to improve digital inclusion for people and places previously underserved and overlooked.

Connected Nation previously served as AT&T’s school site selection and implementation partner for the company’s “ConnectED” commitment—a commitment to the White House by AT&T of $100 million in free, off-campus 4G LTE connectivity for students and teachers for three years.

In addition to helping UETN with statewide school technology inventories since 2015 with 100% participation, Connected Nation’s Connect Alaska program also undertook the Alaska School Broadband Audit. This comprehensive program involved Connected Nation’s thorough examination of school connectivity across all 53 of Alaska’s public school districts.

Recently, Connected Nation was selected by EducationSuperHighway to carry forward its mission of ensuring state and school district leaders have the information they need to improve school broadband connectivity. EducationSuperHighway was founded in 2012 with the mission of upgrading the internet access in every public school classroom in America. Having accomplished its mission of connecting 99 percent of schools to internet connections that provide at least 100 Kbps of bandwidth for every student, EducationSuperHighway will sunset in August 2020 and Connected Nation will take over to help launch a new tool for K12 schools named Connect K12. This tool will enable Connected Nation to provide key data and insights that will help state and local leaders take informed action to improve school connectivity in districts across the country.

Everyone belongs in a Connected Nation. For more information on Connected Nation, please visit www.connectednation.org.
Appendix D:
Statewide Summary
TECHNICAL SUPPORT FTE PER 1,000 STUDENT DEVICES

- Statewide: 0.93
- School Districts: 0.89
- Charter Schools: 1.26

MOBILE DEVICE DEPLOYMENT POLICIES IN UTAH SCHOOLS

- On a cart for in-classroom use only
- No school-owned mobile computing devices, but students are allowed to use their own personal mobile devices under a BYOD (“Bring Your Own Device”) policy
- On a 1:1 basis (devices cannot be removed from school)
- Available for check-out from library, media center, or computer lab
- On a 1:1 basis (students can take the devices home at night)
- No mobile devices in school use
Appendix E:
School District Summary Pages
Alpine School District

**DISTRICT FACTS**

- Area Population: 341,089
- Enrollment: 80,757
- Number of Schools: 89
- Urban or Rural: Urban
- Median Household Income: $78,459
- Poverty Rate: 8.3%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>99</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>99</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>96</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>6</td>
<td>4</td>
<td>88</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>6</td>
<td>12</td>
<td>79</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

- 1 Device Per Student
  - Statewide 2017: 0.84
  - District 2017: 0.5
  - Statewide 2019: 1.11
  - District 2019: 0.94

**COMPUTING DEVICES USED IN SCHOOLS**

- Student Use
- Teacher/Admin Use
- Change in the # of Devices Since 2017
- Percent Change Since 2017

- Desks | Windows OS
  - 2017 Statewide: 5,038
  - 2017 District: 971
  - 2019 Statewide: 4
  - 2019 District: 0%

- Laptops | Windows OS
  - 2017 Statewide: 2,370
  - 2017 District: 1,309
  - 2019 Statewide: 856
  - 2019 District: 30%

- Desks | Mac
  - 2017 Statewide: 5,150
  - 2017 District: 692
  - 2019 Statewide: 357
  - 2019 District: 7%

- Laptops | Mac
  - 2017 Statewide: 1,191
  - 2017 District: 4,440
  - 2019 Statewide: 1,039
  - 2019 District: 23%

- Chromebooks | Google
  - 2017 Statewide: 50,093
  - 2017 District: 207
  - 2019 Statewide: 31,509
  - 2019 District: 168%

- Tablets | Windows
  - 2017 Statewide: 43
  - 2017 District: 29
  - 2019 Statewide: 41
  - 2019 District: 132%

- Tablets | Android
  - 2017 Statewide: 49
  - 2017 District: 7
  - 2019 Statewide: 0
  - 2019 District: 0%

- Tablets | iOS
  - 2017 Statewide: 12,070
  - 2017 District: 2,679
  - 2019 Statewide: 4,212
  - 2019 District: 40%

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>98</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
  - Statewide: 1,212
  - District: 1,234

- Teachers Per FTE Instructional Tech Support Staff
  - Statewide: 145.3
  - District: 128.4

2020 Utah School Technology Inventory

For more information, visit www.uen.org/digital-learning
Beaver County School District

**DISTRICT FACTS**
- Area Population: 6,443
- Enrollment: 1,519
- Number of Schools: 5
- Urban or Rural: Rural
- Median Household Income: $54,212
- Poverty Rate: 8.2%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 10 29 30 20</td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5  6  28 21 40</td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,229</td>
</tr>
<tr>
<td>145.3</td>
<td>426.7</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Box Elder School District

**District Facts**
- Area Population: 53,001
- Enrollment: 11,861
- Number of Schools: 21
- Urban or Rural: Urban
- Median Household Income: $59,937
- Poverty Rate: 9.3%

**Wi-Fi Networks**

**Wi-Fi Coverage Reported by Schools (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>38</td>
</tr>
</tbody>
</table>

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>36</td>
</tr>
</tbody>
</table>

**How School Wi-Fi Networks Were Designed**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>5</td>
</tr>
</tbody>
</table>

**Network Gear in Schools**

**Age of Wireless Gear (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>19</td>
</tr>
</tbody>
</table>

**Age of Wired Gear (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>48</td>
</tr>
</tbody>
</table>

**Computing Devices Per Student**

1 Device Per Student

Statewide 2017: 0.84  |  District 2017: 0.45  |  Statewide 2019: 1.11  |  District 2019: 0.82

**Computing Devices Used in Schools**

- **Student Use**
  - Desktops | Windows OS: 2,267
  - Laptops | Windows OS: 41
  - Desktops | Mac: 1
  - Laptops | Mac: 2
  - Chromebooks | Google: 7,169
  - Tablets | Windows: 0
  - Tablets | Android: 3
  - Tablets | iOS: 203

- **Teacher/Admin Use**
  - Desktops | Windows OS: 979
  - Laptops | Windows OS: 204
  - Desktops | Mac: 1
  - Laptops | Mac: 13
  - Chromebooks | Google: 12
  - Tablets | Windows: 0
  - Tablets | Android: 3
  - Tablets | iOS: 314

- **Change in the # of Devices Since 2017**
  - Desktops | Windows OS: 421
  - Laptops | Windows OS: 19
  - Desktops | Mac: -4
  - Laptops | Mac: 12
  - Chromebooks | Google: 3,970
  - Tablets | Windows: -25
  - Tablets | Android: 3
  - Tablets | iOS: 384

- **Percent Change Since 2017**
  - Desktops | Windows OS: 15%
  - Laptops | Windows OS: 8%
  - Desktops | Mac: 400%
  - Laptops | Mac: 124%
  - Chromebooks | Google: -100%
  - Tablets | Windows: N/A
  - Tablets | Android: 289%

**Mobile Deployment**

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>81</td>
</tr>
</tbody>
</table>

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>100%</td>
</tr>
</tbody>
</table>

**How School Wi-Fi Networks Were Designed**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>53</td>
</tr>
</tbody>
</table>

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

<table>
<thead>
<tr>
<th>Computational Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>378.7</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Cache County School District

**DISTRICT FACTS**
- Area Population: 71,858
- Enrollment: 18,393
- Number of Schools: 25
- Urban or Rural: Urban
- Median Household Income: $71,257
- Poverty Rate: 7.8%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>92</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>92</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>4</td>
</tr>
</tbody>
</table>

- Less than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>12</td>
</tr>
</tbody>
</table>

- Less than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,088</td>
<td>145.3</td>
</tr>
</tbody>
</table>

**2020 Utah School Technology Inventory**

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Canyons School District

#### DISTRICT FACTS
- Area Population: 218,404
- Enrollment: 34,134
- Number of Schools: 49
- Urban or Rural: Urban
- Median Household Income: $85,585
- Poverty Rate: 6.9%

#### WI-FI NETWORKS

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>98</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>41</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>94</td>
</tr>
</tbody>
</table>

#### NETWORK GEAR IN SCHOOLS

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>8</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>44</td>
</tr>
</tbody>
</table>

### COMPUTING DEVICES PER STUDENT

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 2017</td>
</tr>
<tr>
<td>0.84</td>
</tr>
</tbody>
</table>

### COMPUTING DEVICES USED IN SCHOOLS

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Statewide</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Tech Support Staff</td>
<td>1,212</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
# Carbon School District

## District Facts

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>20,356</td>
</tr>
<tr>
<td>Enrollment</td>
<td>3,636</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>9</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Rural</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>$50,278</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>15.8%</td>
</tr>
</tbody>
</table>

## Wi-Fi Networks

### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>No noticeable slowdowns</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

## How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor</td>
<td>24</td>
<td>11</td>
</tr>
<tr>
<td>In-house expert</td>
<td>53</td>
<td>89</td>
</tr>
<tr>
<td>Wi-Fi network not professionally designed</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

## Network Gear in Schools

### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
<td>29</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>28</td>
<td>11</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>21</td>
<td>89</td>
</tr>
</tbody>
</table>

### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21</td>
<td>89</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

## Computing Devices Per Student

<table>
<thead>
<tr>
<th>Device Type</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Use</td>
<td>1.19</td>
<td>1.19</td>
</tr>
<tr>
<td>Teacher/Admin Use</td>
<td>1.11</td>
<td>1.11</td>
</tr>
</tbody>
</table>

## Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>519</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>233</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>3,454</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>330</td>
</tr>
</tbody>
</table>

## Mobile Deployment

### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>21</td>
<td>2</td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>57</td>
<td>1</td>
</tr>
<tr>
<td>Devices only available for check-out (e.g. from the school library)</td>
<td>24</td>
<td>8</td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

## Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Metric</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Technical Support Staff</td>
<td>1,212</td>
<td>1,296</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>145.3</td>
<td>456.7</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Daggett School District

**DISTRICT FACTS**

- Area Population: 612
- Enrollment: 206
- Number of Schools: 3
- Urban or Rural: Rural
- Median Household Income: $81,250
- Poverty Rate: 4.7%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>100% (All Rooms Covered)</th>
<th>80% - 99% Covered</th>
<th>60% - 79% Covered</th>
<th>Less than 60% covered (or no Wi-Fi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
<td>52</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>No noticeable slowdowns</th>
<th>Slowdowns occur less than 10% of the time</th>
<th>Slowdowns occur 10% - 20% of the time</th>
<th>Slowdowns occur more than 20% of the time</th>
<th>Other, or no Wi-Fi</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>67</td>
<td>57</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>Outside contractor conducted a professional Wi-Fi design</th>
<th>In-house expert conducted a professional Wi-Fi design</th>
<th>Wi-Fi network was not professionally designed</th>
<th>Other network design choice, or no Wi-Fi</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
<td>53</td>
<td>21</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>Less Than 1 Yr. Old</th>
<th>1 Year Old</th>
<th>2 Years Old</th>
<th>3 Years Old</th>
<th>4+ Years Old</th>
<th>Other, or no Wi-Fi</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>29</td>
<td>29</td>
<td>10</td>
<td>29</td>
<td>6</td>
<td>28</td>
<td>21</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Statewide</th>
<th>District</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
<th>Computing Devices Per FTE Technical Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>243</td>
<td>145.3</td>
<td>61.3</td>
</tr>
</tbody>
</table>
Davis School District

**DISTRICT FACTS**

- Area Population: 340,621
- Enrollment: 72,904
- Number of Schools: 90
- Urban or Rural: Urban
- Median Household Income: $79,690
- Poverty Rate: 5.5%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>100% (All Rooms Covered)</th>
<th>80% - 99% Covered</th>
<th>60% - 79% Covered</th>
<th>Less than 60% covered (or no Wi-Fi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>99</td>
<td>100% (All Rooms Covered)</td>
<td>80% - 99% Covered</td>
<td>60% - 79% Covered</td>
<td>Less than 60% covered (or no Wi-Fi)</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

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<tr>
<th>STATE</th>
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<tbody>
<tr>
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<td>100</td>
<td>No noticeable slowdowns</td>
<td>Slowdowns occur less than 10% of the time</td>
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<td>Other, or no Wi-Fi</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>Outside contractor conducted a professional Wi-Fi design</th>
<th>In-house expert conducted a professional Wi-Fi design</th>
<th>Wi-Fi network was not professionally designed</th>
<th>Other network design choice, or no Wi-Fi</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>99</td>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td>Wi-Fi network was not professionally designed</td>
<td>Other network design choice, or no Wi-Fi</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>Less Than 1 Yr.Old</th>
<th>1 Year Old</th>
<th>2 Years Old</th>
<th>3 Years Old</th>
<th>4+ Years Old</th>
<th>Other, or no Wi-Fi</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>3</td>
<td>10</td>
<td>29</td>
<td>30</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**COMPUTING DEVICES PER STUDENT**

- 1 DEVICE PER STUDENT

- STATEWIDE 2017: 0.84
- DISTRICT 2017: 0.67
- STATEWIDE 2019: 1.11
- DISTRICT 2019: 1.24

**COMPUTING DEVICES USED IN SCHOOLS**

- Student Use
- Teacher/Admin Use
- Change in the # of Devices Since 2017: -5,677
- Percent Change Since 2017: -26%

- Desktops | Windows OS | 10,150
- Laptops | Windows OS | 39,385
- Desktops | Mac | 43
- Laptops | Mac | 66
- Chromebooks | Google | 855
- Tablets | Windows | 14,908
- Tablets | Android | 115
- Tablets | iOS | 25,104

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
<th>1:1 basis (students can take the devices home)</th>
<th>1:1 basis (devices cannot be removed from school)</th>
<th>Devices on a cart; only available for in-classroom use</th>
<th>Devices only available for check-out (e.g. from the school library)</th>
<th>No school-owned mobile devices; students can use personal devices</th>
<th>No mobile device usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
<td>67</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE
- Technical Support Staff: 1,212
- Teachers Per FTE
- Instructional Tech Support Staff: 10,303

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)

2020 Utah School Technology Inventory
Duchesne County School District

**DISTRICT FACTS**
- Area Population: 20,219
- Enrollment: 5,343
- Number of Schools: 13
- Urban or Rural: Rural
- Median Household Income: $63,919
- Poverty Rate: 13.3%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>23</td>
</tr>
<tr>
<td>52</td>
<td>77</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% of covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>57</td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>53</td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>29</td>
<td>15</td>
</tr>
<tr>
<td>30</td>
<td>15</td>
</tr>
</tbody>
</table>

- Less than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>235.2</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>DISTRICT</td>
</tr>
<tr>
<td>2,877</td>
<td>145.3</td>
</tr>
<tr>
<td>DISTRICT</td>
<td></td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Emery County School District

#### District Facts
- Area Population: 10,248
- Enrollment: 2,293
- Number of Schools: 10
- Urban or Rural: Rural
- Median Household Income: $52,055
- Poverty Rate: 12.8%

#### Wi-Fi Networks

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td>0</td>
</tr>
<tr>
<td>60% - 79% Covered</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>No noticeable slowdowns</td>
<td>57</td>
<td>100</td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>How School Wi-Fi Networks Were Designed</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>53</td>
<td>100</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td>21</td>
<td>0</td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Network Gear in Schools

<table>
<thead>
<tr>
<th>Age of Wireless Gear (%)</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1 Yr. Old</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>30</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age of Wired Gear (%)</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1 Yr. Old</td>
<td>5</td>
<td>90</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
<td>28</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>21</td>
<td>40</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>40</td>
<td>10</td>
</tr>
</tbody>
</table>

#### Computing Devices Per Student

<table>
<thead>
<tr>
<th>1 Device Per Student</th>
<th>Statewide 2017</th>
<th>District 2017</th>
<th>Statewide 2019</th>
<th>District 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.11</td>
<td>1.16</td>
<td>1.11</td>
<td>1.16</td>
</tr>
</tbody>
</table>

#### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Computing Devices Used in Schools</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>898</td>
<td>197</td>
<td>106</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>4</td>
<td>34</td>
<td>-1</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>10</td>
<td>10</td>
<td>-27</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>4</td>
<td>-7</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>1,328</td>
<td>10</td>
<td>615</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>339</td>
<td>0</td>
<td>-104</td>
</tr>
</tbody>
</table>

#### Mobile Deployment

<table>
<thead>
<tr>
<th>Wireless Device Policies at Schools (%)</th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>21</td>
<td>2</td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>67</td>
<td>2</td>
</tr>
<tr>
<td>Devices only available for check-out (e.g. from the school library)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Technical Support Staff</th>
<th>Statewide</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>5,307</td>
<td>1,212</td>
</tr>
<tr>
<td>Teachers Per FTE</td>
<td>1,790.0</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Garfield County School District

**District Facts**
- Area Population: 5,017
- Enrollment: 903
- Number of Schools: 9
- Urban or Rural: Rural
- Median Household Income: $52,337
- Poverty Rate: 17.8%

**Wi-Fi Networks**

**Wi-Fi Coverage Reported by Schools (%)**
- **State**: 45% (2), 52% (1)
- **District**: 100%

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**
- **State**: 35% (2), 57% (5)
- **District**: 11% (5), 89% (1)

**How School Wi-Fi Networks Were Designed**
- **State**: 24% (2), 53% (21), 21% (6)
- **District**: 11% (89)

**Network Gear in Schools**

**Age of Wireless Gear (%)**
- **State**: 11% (10), 29% (2), 30% (40)
- **District**: 11% (67)

**Age of Wired Gear (%)**
- **State**: 5% (6), 28% (21), 40% (89)
- **District**: 11% (67)

**Computing Devices Per Student**

- 1 Device Per Student: Statewide 2017 = 0.84, District 2017 = 1.65, Statewide 2019 = 1.11, District 2019 = 1.36

**Computing Devices Used in Schools**

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>218</td>
<td>101</td>
<td>-87</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>3</td>
<td>42</td>
<td>-36</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>3</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>1</td>
<td>2</td>
<td>43%</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>973</td>
<td>52</td>
<td>43</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>26</td>
<td>24</td>
<td>10</td>
</tr>
</tbody>
</table>

**Mobile Deployment**

**Wireless Device Policies at Schools (%)**
- **State**: 9% (2), 21% (1), 67% (2)
- **District**: 100%

**How School Wi-Fi Networks Were Designed**
- **State**: 24% (2), 53% (21), 21% (6)
- **District**: 11% (89)

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

<table>
<thead>
<tr>
<th></th>
<th>Computing Devices Per FTE</th>
<th>Teachers Per FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technical Support Staff</strong></td>
<td>Statewide 2020 = 1,212</td>
<td>District 2020 = 544</td>
</tr>
<tr>
<td><strong>Instructional Tech Support Staff</strong></td>
<td>Statewide 2020 = 145,3</td>
<td>District 2020 = N/A</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Grand County School District

**DISTRICT FACTS**

- Area Population: 10,189
- Enrollment: 1,498
- Number of Schools: 3
- Urban or Rural: Rural
- Median Household Income: $48,202
- Poverty Rate: 8.6%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>67</td>
<td>33</td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80%-99% Covered
- 60%-79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>67</td>
<td>33</td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10%-20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>34</td>
<td>33</td>
<td>33</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>56</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>DISTRICT 2017</th>
<th>STATEWIDE 2019</th>
<th>DISTRICT 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.96</td>
<td>1.11</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>359</td>
<td>187</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>33</td>
<td>10</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>24</td>
<td>2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>1,773</td>
<td>6</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>40</td>
<td>42</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>&lt;1</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide</td>
<td>District</td>
</tr>
<tr>
<td>1,212</td>
<td>545</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Granite School District

**DISTRICT FACTS**
- Area Population: 398,901
- Enrollment: 65,586
- Number of Schools: 88
- Urban or Rural: Urban
- Median Household Income: $63,450
- Poverty Rate: 11.2%

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>45%</td>
<td>52%</td>
</tr>
<tr>
<td>District</td>
<td>39%</td>
<td>52%</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>8%</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year Old</td>
<td>10%</td>
<td>20%</td>
</tr>
<tr>
<td>2 Year Old</td>
<td>40%</td>
<td>50%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Year Old</td>
<td>6%</td>
<td>5%</td>
</tr>
<tr>
<td>2 Year Old</td>
<td>45%</td>
<td>25%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>COMPUTING DEVICES PER STUDENT</th>
<th>STATEWIDE 2017</th>
<th>DISTRICT 2017</th>
<th>STATEWIDE 2019</th>
<th>DISTRICT 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 DEVICE PER STUDENT</td>
<td>0.84</td>
<td>1.3</td>
<td>1.11</td>
<td>1.34</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>12,863</td>
<td>2,661</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>1,193</td>
<td>1,269</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>838</td>
<td>32</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>20</td>
<td>141</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>68,301</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>4,795</td>
<td>18</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>DISTRICT</th>
<th>STATE</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>21%</td>
<td>67%</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**2020 Utah School Technology Inventory**

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Iron County School District

**District Facts**
- Area Population: 49,691
- Enrollment: 9,547
- Number of Schools: 15
- Urban or Rural: Rural
- Median Household Income: $46,809
- Poverty Rate: 19.6%

**Wi-Fi Networks**

**Wi-Fi Coverage Reported by Schools (%)**
- **State**: 45% (52% full time equivalent)
- **District**: 73% (27% full time equivalent)
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - Less than 60% covered (or no Wi-Fi)

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**
- **State**: 35% (57% full time equivalent)
- **District**: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

**How School Wi-Fi Networks Were Designed**
- **State**: 24% (53% full time equivalent)
- **District**: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**Networking Gear in Schools**

**Age of Wireless Gear (%)**
- **State**: 11% (29% full time equivalent)
- **District**: 33%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

**Age of Wired Gear (%)**
- **State**: 5% (28% full time equivalent)
- **District**: 6%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

**Computing Devices Per Student**

**1 Device Per Student**
- **Statewide 2017**: 0.84
- **District 2017**: 0.82
- **Statewide 2019**: 1.11
- **District 2019**: 1.11

**Computing Devices Used in Schools**

**Wireless Device Policies at Schools (%)**
- **State**: 9% (21% full time equivalent)
- **District**: 100%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g. from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

**Mobile Deployment**

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

<table>
<thead>
<tr>
<th></th>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statewide</strong></td>
<td>1,212</td>
<td>145.3</td>
</tr>
<tr>
<td><strong>District</strong></td>
<td>228</td>
<td>28.7</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Jordan School District

DISTRICT FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th>Enrollment</th>
<th>Number of Schools</th>
<th>Urban or Rural</th>
<th>Median Household Income</th>
<th>Poverty Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>269,775</td>
<td>56,574</td>
<td>61</td>
<td>Urban</td>
<td>$90,408</td>
<td>4.2%</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECREASES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>7</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>8</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATE 2017</th>
<th>DISTRICT 2017</th>
<th>STATE 2019</th>
<th>DISTRICT 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.85</td>
<td>1.11</td>
<td>1.26</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>5,267</td>
<td>980</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>1,686</td>
<td>1,106</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>1,899</td>
<td>522</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>5,115</td>
<td>2,662</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>50,378</td>
<td>92</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>24</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>6,775</td>
<td>2,794</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>52,270</td>
<td>1,212</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>145,3</td>
<td>13,220</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Juab School District

**District Facts**
- Area Population: 10,183
- Enrollment: 2,685
- Number of Schools: 5
- Urban or Rural: Rural
- Median Household Income: $63,242
- Poverty Rate: 11.2%

**Wi-Fi Networks**

**Wi-Fi Coverage Reported by Schools (%)**
- **State**: 45% (52%)
- **District**: 100%

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**
- **State**: 35% (57%)
- **District**: 100%

**How School Wi-Fi Networks Were Designed**
- **State**: 24% (53%)
- **District**: 100%

**Network Gear in Schools**

**Age of Wireless Gear (%)**
- **State**: 11% (10%)
- **District**: 20%

**Age of Wired Gear (%)**
- **State**: 5% (6%)
- **District**: 60%

**Computing Devices Used in Schools**

**Student Use**
- Desksops | Windows OS: 91
- Laptops | Windows OS: 8
- Desksops | Mac: 383
- Laptops | Mac: 29
- Chromebooks | Google: 448
- Tablets | Windows: 209
- Tablets | Android: 0
- Tablets | IOS: 2,679

**Teacher/Admin Use**
- Desksops | Windows OS: 6
- Laptops | Windows OS: 8
- Desksops | Mac: 21
- Laptops | Mac: 257
- Chromebooks | Google: 0
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | IOS: 205

**Change in the # of Devices Since 2017**
- **Percent Change Since 2017**
  - Desksops | Windows OS: 41%
  - Laptops | Windows OS: 65%
  - Desksops | Mac: -6%
  - Laptops | Mac: 3%
  - Chromebooks | Google: 87%

**Mobile Deployment**

**Wireless Device Policies At Schools (%)**
- **State**: 9% (21%)
- **District**: 60%

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

**Computing Devices Per FTE Technical Support Staff**
- **Statewide**: 1,212
- **District**: 1,037

**Teachers Per FTE Instructional Tech Support Staff**
- **Statewide**: 145.3
- **District**: 152.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
## Kane County School District

### District Facts
- **Area Population**: 7,350
- **Enrollment**: 1,253
- **Number of Schools**: 7
- **Urban or Rural**: Rural
- **Median Household Income**: $48,269
- **Poverty Rate**: 12.8%

### Wi-Fi Networks
#### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

#### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>57</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Network Gear in Schools
#### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>14</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>191</td>
<td>120</td>
<td>-88</td>
<td>-22%</td>
</tr>
<tr>
<td>Laptops</td>
<td>2</td>
<td>13</td>
<td>3</td>
<td>25%</td>
</tr>
<tr>
<td>Desktops</td>
<td>19</td>
<td>4</td>
<td>-7</td>
<td>-23%</td>
</tr>
<tr>
<td>Laptops</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>1,369</td>
<td>69</td>
<td>62</td>
<td>5%</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>20</td>
<td>40</td>
<td>-5</td>
<td>-8%</td>
</tr>
</tbody>
</table>

### Mobile Deployment
#### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>29</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Computing Devices Per FTE</th>
<th>Teachers Per FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Support Staff</td>
<td>Instructional Tech Support Staff</td>
</tr>
</tbody>
</table>

- **District**: 1,867
- **Statewide**: 145.3
- **District**: 141.7

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Logan City School District

**DISTRICT FACTS**
- Area Population: 50,478
- Enrollment: 5,533
- Number of Schools: 9
- Urban or Rural: Urban
- Median Household Income: $39,693
- Poverty Rate: 26.3%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>44</td>
</tr>
<tr>
<td>52</td>
<td>56</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SLOWDOWNS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>44</td>
</tr>
<tr>
<td>57</td>
<td>56</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>89</td>
</tr>
<tr>
<td>53</td>
<td>45</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>10</td>
<td>89</td>
</tr>
<tr>
<td>29</td>
<td>40</td>
</tr>
<tr>
<td>30</td>
<td>20</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>22</td>
</tr>
<tr>
<td>6</td>
<td>11</td>
</tr>
<tr>
<td>28</td>
<td>42</td>
</tr>
<tr>
<td>21</td>
<td>78</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>DISTRICT 2017</th>
<th>STATEWIDE 2019</th>
<th>DISTRICT 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.17</td>
<td>1.11</td>
<td>1.43</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td>21</td>
<td>45</td>
</tr>
<tr>
<td>67</td>
<td>44</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff: 1,212
- Teachers Per FTE Instructional Tech Support Staff: 711

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Millard School District

#### District Facts
- **Area Population**: 12,733
- **Enrollment**: 2,968
- **Number of Schools**: 9
- **Urban or Rural**: Rural
- **Median Household Income**: $60,445
- **Poverty Rate**: 11.4%

#### Wi-Fi Networks

##### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
<td>78</td>
</tr>
</tbody>
</table>

- **100% (All Rooms Covered)**
- **80% - 99% Covered**
- **60% - 73% Covered**
- **Less than 60% covered (or no Wi-Fi)**

##### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- **No noticeable slowdowns**
- **Slowdowns occur less than 10% of the time**
- **Slowdowns occur 10% - 20% of the time**
- **Slowdowns occur more than 20% of the time**
- **Other, or no Wi-Fi**

##### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- **Outside contractor conducted a professional Wi-Fi design**
- **In-house expert conducted a professional Wi-Fi design**
- **Wi-Fi network was not professionally designed**
- **Other network design choice, or no Wi-Fi**

#### Network Gear in Schools

##### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11%</td>
<td>29%</td>
</tr>
</tbody>
</table>

- **Less Than 1 Yr.Old**
- **1 Year Old**
- **2 Years Old**
- **3 Years Old**
- **4+ Years Old**
- **Other, or no Wi-Fi**

##### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5%</td>
<td>11%</td>
</tr>
</tbody>
</table>

- **Less Than 1 Yr.Old**
- **1 Year Old**
- **2 Years Old**
- **3 Years Old**
- **4+ Years Old**
- **Other, or no Wi-Fi**

### Computing Devices per Student

#### One Device per Student

<table>
<thead>
<tr>
<th></th>
<th>Statewide 2017</th>
<th>District 2017</th>
<th>Statewide 2019</th>
<th>District 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.84</td>
<td>1.11</td>
<td>0.86</td>
<td>1.51</td>
</tr>
</tbody>
</table>

#### Computing Devices Used in Schools

##### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

- **1:1 basis (students can take the devices home)**
- **1:1 basis (devices cannot be removed from school)**
- **Devices on a cart; only available for in-classroom use**
- **Devices only available for check-out (e.g. from the school library)**
- **No school-owned mobile devices; students can use personal devices**
- **No mobile device usage**

### Mobile Deployment

##### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

#### Computing Devices Per FTE Technical Support Staff

- **Statewide**: 1,212
- **District**: 1,184

#### Teachers Per FTE Instructional Tech Support Staff

- **Statewide**: 145.3
- **District**: 202.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Morgan County School District

**DISTRICT FACTS**
- Area Population: 11,391
- Enrollment: 3,183
- Number of Schools: 5
- Urban or Rural: Rural
- Median Household Income: $89,274
- Poverty Rate: 3.0%

**WI-FI NETWORKS**
- **WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
  - **STATE**: 45% (2), 52% (1)
  - **DISTRICT**: 60% (1), 40% (2)
- **SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
  - **STATE**: 35% (2), 57% (1)
  - **DISTRICT**: 100%
- **HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
  - **STATE**: 24% (1), 53% (2), 21% (2)
  - **DISTRICT**: 100%

**NETWORK GEAR IN SCHOOLS**
- **AGE OF WIRELESS GEAR (%)**
  - **STATE**: 11% (10), 29% (30), 30% (20)
  - **DISTRICT**: 20% (40)
- **AGE OF WIRED GEAR (%)**
  - **STATE**: 5% (6), 21% (28), 40% (21)
  - **DISTRICT**: 20% (60)

**COMPUTING DEVICES PER STUDENT**
- **1 DEVICE PER STUDENT**
  - **STATEWIDE 2017**: 0.84
  - **DISTRICT 2017**: 0.72
  - **STATEWIDE 2019**: 1.11
  - **DISTRICT 2019**: 0.98

**COMPUTING DEVICES USED IN SCHOOLS**
- **Student Use**:
  - Desktops | Windows OS: 238
  - Laptops | Windows OS: 70
  - Desks | Mac: 36
  - Laptops | Mac: 0
  - Chromebooks | Google: 2,375
  - Tablets | Windows: 15
  - Tablets | Android: 180
  - Tablets | IOS: 165
- **Teacher/Admin Use**:
  - Desktops | Windows OS: 159
  - Laptops | Windows OS: 60
  - Desks | Mac: 2
  - Laptops | Mac: 3
  - Chromebooks | Google: 40
  - Tablets | Windows: 2
  - Tablets | Android: 2
  - Tablets | IOS: 30
- **Change in the # of Devices Since 2017**:
  - Desktops | Windows OS: 104
  - Laptops | Windows OS: 25
  - Desks | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 730
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 65
- **Percent Change Since 2017**:
  - Desktops | Windows OS: 35%
  - Laptops | Windows OS: 24%
  - Desks | Mac: 0%
  - Laptops | Mac: 0%
  - Chromebooks | Google: 43%
  - Tablets | Windows: 0%
  - Tablets | Android: 0%
  - Tablets | IOS: 50%

**MOBILE DEPLOYMENT**
- **WIRELESS DEVICE POLICIES AT SCHOOLS (%)**
  - **STATE**: 9% (21), 67% (1)
  - **DISTRICT**: 100%
- **HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
  - **DISTRICT**: 100%

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**
- **Computing Devices Per FTE**
  - **STATEWIDE**: 1,212
  - **DISTRICT**: 911
- **Teachers Per FTE**
  - **STATEWIDE**: 977.1
  - **DISTRICT**: 145.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Murray City School District

**DISTRICT FACTS**
- Area Population: 38,033
- Enrollment: 6,555
- Number of Schools: 11
- Urban or Rural: Urban
- Median Household Income: $59,829
- Poverty Rate: 8.6%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
- State: 45 52 1
- District: 100
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
- State: 35 57 1
- District: 91 9
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
- State: 24 53 21
- District: 100
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**
- State: 11 10 29 30 20
- District: 9 73 18
- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**
- State: 5 6 28 21 40
- District: 18 9 18 55
- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT
- Statewide 2017: 0.84
- District 2017: 0.68
- Statewide 2019: 1.11
- District 2019: 1.14

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**
- State: 9 21 67
- District: 27 64
- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Statewide</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>1,212</td>
<td>1,199</td>
</tr>
<tr>
<td>Technical Support Staff</td>
<td>145.3</td>
<td>378.5</td>
</tr>
<tr>
<td>Teachers Per FTE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Nebo School District

**DISTRICT FACTS**
- Area Population: 133,493
- Enrollment: 34,062
- Number of Schools: 43
- Urban or Rural: Urban
- Median Household Income: $72,576
- Poverty Rate: 6.8%

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>45%</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>57%</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>53%</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>11%</td>
</tr>
<tr>
<td>65%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>5%</td>
</tr>
<tr>
<td>95%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**
  - Statewide: 1,212
  - District: 1,324

- **Teachers Per FTE Instructional Tech Support Staff**
  - Statewide: 145.3
  - District: 130.6

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
North Sanpete School District

**DISTRICT FACTS**
- Area Population: 11,708
- Enrollment: 2,666
- Number of Schools: 8
- Urban or Rural: Rural
- Median Household Income: $55,464
- Poverty Rate: 14.4%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

| STATE | 45 | 52 | 0 | 1 |
| DISTRICT | 100 | | | |

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

| STATE | 35 | 57 | 0 | 1 |
| DISTRICT | 37 | 63 | | |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

| STATE | 24 | 53 | 21 | 2 |
| DISTRICT | 100 | | | |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

| STATE | 11 | 10 | 29 | 30 | 20 |
| DISTRICT | 38 | | | |

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**COMPUTING DEVICES USED IN SCHOOLS**

**DESKTOPS**
- Windows OS: 115
- Mac: 466

**LAPTOPS**
- Windows OS: 0
- Mac: 409

**CHROMEBOOKS**
- Google: 240

**TABLETS**
- Windows: 0
- Android: 0
- IOS: 1,860

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**TEACHING STAFF**
- District: 708
- Statewide: 145.3

**TECHNICAL SUPPORT STAFF**
- District: 1,212
- Statewide: 127.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
North Summit School District

**DISTRICT FACTS**
- Area Population: 5,899
- Enrollment: 1,016
- Number of Schools: 3
- Urban or Rural: Rural
- Median Household Income: $82,109
- Poverty Rate: 4.6%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
- State:
  - 45%
  - 52%
  - 2%
- District:
  - 100%

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
- State:
  - 35%
  - 57%
  - 5%
- District:
  - 100%

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
- State:
  - 24%
  - 53%
  - 21%
- District:
  - 67%
  - 33%

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**
- State:
  - Less Than 1 Yr.Old: 11%
  - 1 Year Old: 10%
  - 2 Years Old: 29%
  - 3 Years Old: 30%
  - 4+ Years Old: 20%
- District:
  - Less Than 1 Yr.Old: 67%
  - 1 Year Old: 33%

**AGE OF WIRED GEAR (%)**
- State:
  - Less Than 1 Yr.Old: 5%
  - 1 Year Old: 6%
  - 2 Years Old: 28%
  - 3 Years Old: 21%
  - 4+ Years Old: 40%
- District:
  - Less Than 1 Yr.Old: 67%
  - 1 Year Old: 100%

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

**DESKTOPS | WINDOWS OS**
- State:
  - 30%
- District:
  - 35%

**LAPTOPS | WINDOWS OS**
- State:
  - 0%
- District:
  - N/A

**DESKTOPS | MAC**
- State:
  - 172%
- District:
  - 63%

**LAPTOPS | MAC**
- State:
  - 720%
- District:
  - 35%

**CHROMEBOOKS | GOOGLE**
- State:
  - 0%
- District:
  - N/A

**TABLETS | WINDOWS**
- State:
  - 0%
- District:
  - N/A

**TABLETS | ANDROID**
- State:
  - 0%
- District:
  - N/A

**TABLETS | IOS**
- State:
  - 402%
- District:
  - 75%

**COMPUTING DEVICES USED IN SCHOOLS**

**STUDENT USE**

**TEACHER/ADMIN USE**

**Change in the # of Devices Since 2017**

**Percent Change Since 2017**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
**Ogden City School District**

**DISTRICT FACTS**

- Area Population: 86,126
- Enrollment: 11,466
- Number of Schools: 21
- Urban or Rural: Urban
- Median Household Income: $46,807
- Poverty Rate: 19.6%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>62</td>
</tr>
<tr>
<td>29</td>
<td>21</td>
</tr>
<tr>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>20</td>
<td>28</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>62</td>
</tr>
<tr>
<td>6</td>
<td>21</td>
</tr>
<tr>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>28</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
<th>STATEWIDE 2017</th>
<th>DISTRICT 2017</th>
<th>STATEWIDE 2019</th>
<th>DISTRICT 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.11</td>
<td>1.11</td>
<td>1.55</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>Laptops</td>
<td>Windows OS</td>
</tr>
<tr>
<td>3,584</td>
<td>1,175</td>
<td>102</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>90</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g., from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

- STATEWIDE: 1,212
- DISTRICT: 853

**Teachers Per FTE Instructional Tech Support Staff**

- STATEWIDE: 145.3
- DISTRICT: 164.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Park City School District

#### District Facts
- Area Population: 26,916
- Enrollment: 4,795
- Number of Schools: 7
- Urban or Rural: Rural
- Median Household Income: $119,523
- Poverty Rate: 6.9%

#### Wi-Fi Networks
- **Wi-Fi Coverage Reported by Schools (%)**
  - State: 45%
  - District: 43%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

- **Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**
  - State: 35%
  - District: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

- **How School Wi-Fi Networks Were Designed**
  - State: 24%
  - District: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

#### Age of Wireless Gear in Schools
- **State**
  - Less than 1 Yr.Old: 10%
  - 1 Year Old: 28%
  - 2 Years Old: 21%
  - 3 Years Old: 40%

- **District**
  - Less than 1 Yr.Old: 29%
  - 1 Year Old: 71%

#### Age of Wired Gear in Schools
- **State**
  - Less than 1 Yr.Old: 11%
  - 1 Year Old: 6%
  - 2 Years Old: 28%
  - 3 Years Old: 22%

- **District**
  - Less than 1 Yr.Old: 29%
  - 1 Year Old: 57%

#### Computing Devices Per Student
- **1 Device Per Student**
  - Statewide 2017: 0.84
  - District 2017: 1.21
  - Statewide 2019: 1.11
  - District 2019: 1.14

#### Computing Devices Used in Schools
- **Wireless Device Policies at Schools (%)**
  - State: 9%
  - District: 21%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g., from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

#### Mobile Deployment
- **Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**
  - Computing Devices Per FTE Technical Support Staff
    - Statewide: 1,212
    - District: 314
  - Teachers Per FTE Instructional Tech Support Staff
    - Statewide: 145.3
    - District: 49.9

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Piute School District

**DISTRICT FACTS**

- Area Population: 1,904
- Enrollment: 306
- Number of Schools: 3
- Urban or Rural: Rural
- Median Household Income: $39,440
- Poverty Rate: 17.1%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>45</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>35</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>24</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DISTRICT</th>
<th><strong>STATE</strong></th>
<th><strong>DISTRICT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>67</strong></td>
<td><strong>33</strong></td>
<td><strong>67</strong></td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- **STATE**
  - Less Than 1 Yr.Old: 11%
  - 1 Year Old: 10%
  - 2 Years Old: 29%
  - 3 Years Old: 30%
  - 4+ Years Old: 20%
  - Other, or no Wi-Fi: 100%

- **DISTRICT**
  - Less Than 1 Yr.Old: 6%
  - 1 Year Old: 28%
  - 2 Years Old: 21%
  - 3 Years Old: 40%
  - 4+ Years Old: 100%

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE</strong> 1,212</td>
<td><strong>STATEWIDE</strong> 145.3</td>
</tr>
<tr>
<td><strong>DISTRICT</strong> 1,066</td>
<td><strong>DISTRICT</strong> 77.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Provo City School District

**District Facts**
- Area Population: 115,858
- Enrollment: 16,586
- Number of Schools: 20
- Urban or Rural: Urban
- Median Household Income: $46,635
- Poverty Rate: 25.9%

**Wi-Fi Networks**
- **Wi-Fi Coverage Reported by Schools (%):**
  - **State:**
    - Full Time Equivalent (FTE): 45%
  - **District:**
    - Full Time Equivalent (FTE): 95%
  - Breakdown:
    - 100% (All Rooms Covered)
    - 80% - 99% Covered
    - 60% - 79% Covered
    - Less than 60% covered (or no Wi-Fi)

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%):**
- **State:**
  - No noticeable slowdowns: 35%
  - Slowdowns occur less than 10% of the time: 57%
  - Slowdowns occur 10% - 20% of the time: 5%
  - Slowdowns occur more than 20% of the time: 5%
- **District:**
  - No noticeable slowdowns: 95%
  - Slowdowns occur less than 10% of the time: 5%
  - Slowdowns occur 10% - 20% of the time: 5%
  - Slowdowns occur more than 20% of the time: 5%

**How School Wi-Fi Networks Were Designed:**
- **State:**
  - Outside contractor conducted a professional Wi-Fi design: 24%
  - In-house expert conducted a professional Wi-Fi design: 53%
  - Wi-Fi network was not professionally designed: 21%
- **District:**
  - Outside contractor conducted a professional Wi-Fi design: 95%
  - In-house expert conducted a professional Wi-Fi design: 5%

**Network Gear in Schools**
- **Age of Wireless Gear (%):**
  - **State:**
    - <1 Year Old: 11%
    - 1 Year Old: 10%
    - 2 Years Old: 29%
    - 3 Years Old: 30%
    - 4+ Years Old: 20%
  - **District:**
    - <1 Year Old: 20%
    - 1 Year Old: 20%
    - 2 Years Old: 55%
    - 3 Years Old: 30%
- **Age of Wired Gear (%):**
  - **State:**
    - <1 Year Old: 5%
    - 1 Year Old: 6%
    - 2 Years Old: 28%
    - 3 Years Old: 21%
    - 4+ Years Old: 40%
  - **District:**
    - <1 Year Old: 20%
    - 1 Year Old: 40%
    - 2 Years Old: 40%
    - 3 Years Old: 30%

**Mobile Deployment**
- **Wireless Device Policies at Schools (%):**
  - **State:**
    - 1:1 basis (students can take the devices home): 9%
    - 1:1 basis (devices cannot be removed from school): 21%
    - Devices on a cart; only available for in-classroom use: 53%
    - Devices only available for check-out (e.g., from the school library): 30%
    - No school-owned mobile devices; students can use personal devices: 1%
    - No mobile device usage: 2%
  - **District:**
    - 1:1 basis (students can take the devices home): 95%
    - 1:1 basis (devices cannot be removed from school): 5%
    - Devices on a cart; only available for in-classroom use: 5%

**Computing Devices Per Student**
- **1 Device Per Student:**
  - **Statewide 2017:** 0.84
  - **District 2017:** 1.25
  - **Statewide 2019:** 1.11
  - **District 2019:** 1.13

**Computing Devices Used in Schools**
- **Student Use:**
  - Desktops | Windows OS: 890
  - Laptops | Windows OS: 92
  - Desktops | Mac: 1,313
  - Laptops | Mac: 778
  - Chromebooks | Google: 14,021
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 1,611
- **Teacher/Admin Use:**
  - Desktops | Windows OS: 93
  - Laptops | Windows OS: 73
  - Desktops | Mac: 54
  - Laptops | Mac: 942
  - Chromebooks | Google: 153
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 460

**Change in the # of Devices Since 2017:**
- **Student Use:**
  - Desktops | Windows OS: -276
  - Laptops | Windows OS: -24
  - Desktops | Mac: -1,260
  - Laptops | Mac: -367
  - Chromebooks | Google: 3,941
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: -1,062
- **Percent Change Since 2017:**
  - Desktops | Windows OS: -22%
  - Laptops | Windows OS: -13%
  - Desktops | Mac: -48%
  - Laptops | Mac: -18%
  - Chromebooks | Google: 39%
  - Tablets | Windows: N/A
  - Tablets | Android: N/A
  - Tablets | iOS: -34%

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**
- **Computing Devices Per FTE Technical Support Staff:**
  - **Statewide:** 1,212
  - **District:** 910
- **Teachers Per FTE Instructional Tech Support Staff:**
  - **Statewide:** 145.3
  - **District:** 350.5

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Rich School District

**DISTRICT FACTS**

- Area Population: 2,350
- Enrollment: 499
- Number of Schools: 4
- Urban or Rural: Rural
- Median Household Income: $49,886
- Poverty Rate: 15.9%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>10</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>145.3</td>
</tr>
<tr>
<td>525</td>
<td>145.5</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Salt Lake City School District

**DISTRICT FACTS**
- Area Population: 195,692
- Enrollment: 22,548
- Number of Schools: 37
- Urban or Rural: Urban
- Median Household Income: $56,360
- Poverty Rate: 17.9%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
- **STATE**
  - Full Time Equivalent (FTE): 45% (All Rooms Covered)
  - 80% - 99% Covered
  - Less than 60% covered (or no Wi-Fi)
- **DISTRICT**
  - Full Time Equivalent (FTE): 100%

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
- **STATE**
  - Full Time Equivalent (FTE): 35%
- **DISTRICT**
  - Full Time Equivalent (FTE): 8%

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
- **STATE**
  - Full Time Equivalent (FTE): 24%
- **DISTRICT**
  - Full Time Equivalent (FTE): 100%

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**
- **STATE**
  - Less Than 1 Yr. Old: 11%
  - 1 Year Old: 10%
  - 2 Years Old: 29%
  - 3 Years Old: 30%
  - 4+ Years Old: 20%
  - Other, or no Wi-Fi: 30%
- **DISTRICT**
  - Less Than 1 Yr. Old: 24%
  - 1 Year Old: 22%
  - 2 Years Old: 13%
  - 3 Years Old: 19%
  - 4+ Years Old: 22%
  - Other, or no Wi-Fi: 19%

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**
- **STATEWIDE**
  - Full Time Equivalent (FTE): 1,212
- **DISTRICT**
  - Full Time Equivalent (FTE): 861

**Teachers Per FTE Instructional Tech Support Staff**
- **STATEWIDE**
  - Full Time Equivalent (FTE): 145.3
- **DISTRICT**
  - Full Time Equivalent (FTE): 212.9

For more information, visit www.uen.org/digital-learning
San Juan School District

**District Facts**

- Area Population: 14,708
- Enrollment: 3,127
- Number of Schools: 12
- Urban or Rural: Rural
- Median Household Income: $44,578
- Poverty Rate: 27.1%

**Wi-Fi Networks**

**Wi-Fi Coverage Reported by Schools (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>33</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less that 60% covered (or no Wi-Fi)

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>8</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**How School Wi-Fi Networks Were Designed**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>83</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**Network Gear in Schools**

**Age of Wireless Gear (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>16</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**Age of Wired Gear (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>25</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**Computing Devices Per Student**

<table>
<thead>
<tr>
<th>1 Device Per Student</th>
<th>Statewide 2017</th>
<th>District 2017</th>
<th>Statewide 2019</th>
<th>District 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.84</td>
<td>1.31</td>
<td>1.11</td>
<td>1.47</td>
</tr>
</tbody>
</table>

**Computing Devices Used in Schools**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>1,156</td>
<td>307</td>
<td>-168</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>81</td>
<td>-74</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>-1</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>3,383</td>
<td>116</td>
<td>940</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>-1</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>52</td>
<td>43</td>
<td>-76</td>
</tr>
</tbody>
</table>

**Mobile Deployment**

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>50</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>145.3</td>
</tr>
</tbody>
</table>

- Statewide
- District

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Sevier School District

**District Facts**
- Area Population: 21,118
- Enrollment: 4,648
- Number of Schools: 12
- Urban or Rural: Rural
- Median Household Income: $53,020
- Poverty Rate: 13.4%

**Wi-Fi Networks**

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>DISTRICT</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less than 60% covered (or no Wi-Fi)

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

| STATE | 35 | 57 | -5 | 1 |
| DISTRICT | 100 |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**How School Wi-Fi Networks Were Designed**

| STATE | 24 | 53 | -29 | 2 |
| DISTRICT | 100 |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**Network Gear in Schools**

**Age of Wireless Gear (%)**

| STATE | 11 | 10 | 29 | 30 | 20 |
| DISTRICT | 8 | 92 |

**Age of Wired Gear (%)**

| STATE | 5 | 6 | 28 | 21 | 40 |
| DISTRICT | 8 | 92 |

**Computing Devices Per Student**

- 1 Device Per Student
  - STATEWIDE 2017: 0.84
  - DISTRICT 2017: 1.12
  - STATEWIDE 2019: 1.11
  - DISTRICT 2019: 1.17

**Computing Devices Used in Schools**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>180</td>
<td>22</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>843</td>
<td>222</td>
<td>-282</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>76</td>
<td>51</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>3,463</td>
<td>10</td>
<td>501</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>858</td>
<td>123</td>
<td>-239</td>
</tr>
</tbody>
</table>

**Mobile Deployment**

**Wireless Device Policies at Schools (%)**

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

**Computing Devices Per FTE Technical Support Staff**

- STATEWIDE: 1,212
- DISTRICT: 1,301

**Teachers Per FTE Instructional Tech Support Staff**

- STATEWIDE: 145.3
- DISTRICT: 149.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)

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2020 Utah School Technology Inventory
# South Sanpete School District

## District Facts

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>17,658</td>
</tr>
<tr>
<td>Enrollment</td>
<td>3,477</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>7</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>$47,114</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>18.1%</td>
</tr>
</tbody>
</table>

## Wi-Fi Networks

### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>45</th>
<th>52</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>State</th>
<th>35</th>
<th>57</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

## Computing Devices Used in Schools

### Student Use

<table>
<thead>
<tr>
<th>Type of Device</th>
<th>2017</th>
<th>2019</th>
<th>Change</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>25</td>
<td>2</td>
<td>-6</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>486</td>
<td>130</td>
<td>356</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>3,227</td>
<td>254</td>
<td>2,973</td>
</tr>
</tbody>
</table>

### Teacher/Admin Use

<table>
<thead>
<tr>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>-6</td>
<td>-18%</td>
</tr>
<tr>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>-71</td>
<td>-9%</td>
</tr>
<tr>
<td>25</td>
<td>17%</td>
</tr>
<tr>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>346</td>
<td>11%</td>
</tr>
</tbody>
</table>

## Mobile Deployment

### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>9</th>
<th>21</th>
<th>67</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>57</td>
<td>43</td>
<td></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

## Network Gear in Schools

### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th>State</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>86</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th>State</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
South Summit School District

**DISTRICT FACTS**
- Area Population: 7,696
- Enrollment: 1,766
- Number of Schools: 4
- Urban or Rural: Rural
- Median Household Income: $76,274
- Poverty Rate: 6.4%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
- **STATE**
  - 100%
  - 80% - 99%
  - 60% - 79%
  - Less than 60%
- **DISTRICT**
  - 100%
  - 80% - 99%
  - 60% - 79%
  - Less than 60%

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
- **STATE**
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi
- **DISTRICT**
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
- **STATE**
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi
- **DISTRICT**
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**
- **STATE**
  - Less Than 1 Yr. Old: 11
  - 1 Year Old: 10
  - 2 Years Old: 29
  - 3 Years Old: 30
  - 4+ Years Old: 20
- **DISTRICT**
  - Less Than 1 Yr. Old: 25
  - 1 Year Old: 75

**AGE OF WIRED GEAR (%)**
- **STATE**
  - Less Than 1 Yr. Old: 6
  - 1 Year Old: 28
  - 2 Years Old: 21
  - 3 Years Old: 40
  - 4+ Years Old: 25
- **DISTRICT**
  - Less Than 1 Yr. Old: 75

**COMPUTING DEVICES PER STUDENT**

- **STATEWIDE 2017**
  - 1 Device Per Student: 0.84
- **DISTRICT 2017**
  - 1 Device Per Student: 1.45
- **STATEWIDE 2019**
  - 1 Device Per Student: 1.11
- **DISTRICT 2019**
  - 1 Device Per Student: 1.36

**COMPUTING DEVICES USED IN SCHOOLS**

**STATEWIDE 2017**

- **Student Use**
  - Desktops: 35
  - Laptops: 120
  - Chromebooks: 0
  - Tablets: 0

- **Teacher/Admin Use**
  - Desktops: 3
  - Laptops: 4
  - Chromebooks: 0
  - Tablets: 0

- **Change in the # of Devices Since 2017**
  - Desktops: 0
  - Laptops: -152
  - Chromebooks: N/A
  - Tablets: -118

- **Percent Change Since 2017**
  - Desktops: 0%
  - Laptops: -44%
  - Chromebooks: N/A
  - Tablets: -20%

**STATEWIDE 2019**

- **Student Use**
  - Desktops: 1,740
  - Laptops: 1,490
  - Chromebooks: 0
  - Tablets: 430

- **Teacher/Admin Use**
  - Desktops: 149
  - Laptops: 0
  - Chromebooks: 0
  - Tablets: 36

- **Change in the # of Devices Since 2017**
  - Desktops: 152
  - Laptops: 0
  - Chromebooks: N/A
  - Tablets: 0

- **Percent Change Since 2017**
  - Desktops: 44%
  - Laptops: 0%
  - Chromebooks: N/A
  - Tablets: 0%

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**
- **STATE**
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60%
- **DISTRICT**
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60%

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**
- **STATEWIDE**
  - 1,212
- **DISTRICT**
  - 1,357

**Teachers Per FTE Instructional Tech Support Staff**
- **STATEWIDE**
  - 145.3
- **DISTRICT**
  - 84.7

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
## Tintic School District

### DISTRICT FACTS
- Area Population: 765
- Enrollment: 213
- Number of Schools: 4
- Urban or Rural: Rural
- Median Household Income: $53,906
- Poverty Rate: 14.2%

### WI-FI NETWORKS
#### WI-FI COVERAGE REPORTED BY SCHOOLS (%)
- **STATE:** 45% (2), 52% (1)
- **DISTRICT:** 100%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

#### SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)
- **STATE:** 35% (2), 57% (1)
- **DISTRICT:** 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

#### HOW SCHOOL WI-FI NETWORKS WERE DESIGNED
- **STATE:** 24% (2), 53% (1), 21%
- **DISTRICT:** 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

### NETWORK GEAR IN SCHOOLS
#### AGE OF WIRELESS GEAR (%)
- **STATE:** 11% (1), 10% (2), 29% (1), 30% (20)
- **DISTRICT:** 100%

#### AGE OF WIRED GEAR (%)
- **STATE:** 5% (6), 28% (21), 40%
- **DISTRICT:** 100%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

### COMPUTING DEVICES PER STUDENT
- **STATEWIDE 2017:** 1.71
- **DISTRICT 2017:** 1.11
- **STATEWIDE 2019:** 1.92
- **DISTRICT 2019:** 1.71

### COMPUTING DEVICES USED IN SCHOOLS
- **Desks**
  - Windows OS: 50%
  - Mac: 5%
  - Chromebooks: 309%
  - Tablets: 0%
- **Laptops**
  - Windows OS: 24%
  - Mac: 0%
  - Chromebooks: 0%
  - Tablets: 0%
- **Chromebooks**
  - Google: 309%
- **Tablets**
  - Windows: 0%
  - Android: 0%
  - IOS: 0%

### MOBILE DEPLOYMENT
#### WIRELESS DEVICE POLICIES AT SCHOOLS (%)
- **STATE:** 9% (1), 21% (2), 67%
- **DISTRICT:** 25% (2), 50%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g., from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

### FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS
- **Computing Devices Per FTE Technical Support Staff:** 1,212
- **Teachers Per FTE Instructional Tech Support Staff:** 145.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Tooele County School District

**DISTRICT FACTS**

- **Area Population**: 65,185
- **Enrollment**: 17,619
- **Number of Schools**: 24
- **Urban or Rural**: Urban
- **Median Household Income**: $71,020
- **Poverty Rate**: 6.7%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less that 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>13</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>37</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>COMPUTING DEVICES PER STUDENT</th>
<th>COMPUTING DEVICES USED IN SCHOOLS</th>
<th>MOBILE DEPLOYMENT</th>
<th>FULL-TIME EQUIVALENT (FTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1 DEVICE PER STUDENT</strong></td>
<td><strong>1:1 basis (students can take the devices home)</strong></td>
<td><strong>1:1 basis (devices cannot be removed from school)</strong></td>
<td><strong>Outside contractor conducted a professional Wi-Fi design</strong></td>
</tr>
<tr>
<td><strong>STATEWIDE 2017</strong></td>
<td><strong>STATEWIDE 2019</strong></td>
<td><strong>NO SCHOOL-OWNED MOBILE DEVICES; STUDENTS CAN USE PERSONAL DEVICES</strong></td>
<td></td>
</tr>
<tr>
<td>0.84</td>
<td>0.44</td>
<td>0.72</td>
<td>1,212</td>
</tr>
</tbody>
</table>

**STATEWIDE**

- **Computing Devices Per FTE Technical Support Staff**: 942
- **Teachers Per FTE Instructional Tech Support Staff**: 145.3

**DISTRICT**

- **Computing Devices Per FTE Technical Support Staff**: 254.3

---

F2020 Utah School Technology Inventory

or more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Uintah School District

DISTRICT FACTS
Area Population: 36,323
Enrollment: 6,976
Number of Schools: 12
Urban or Rural: Rural
Median Household Income: $66,736
Poverty Rate: 11.9%

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>92</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>92</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>92</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>59</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>92</td>
</tr>
</tbody>
</table>

Computing Devices Per Student

1 DEVICE PER STUDENT

STATEWIDE 2017 | DISTRICT 2017 | STATEWIDE 2019 | DISTRICT 2019
0.84 | 1.02 | 1.11 | 1.09

Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>State</th>
<th>District 2017</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>1,181</td>
<td>448</td>
<td>-822</td>
<td>-35%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>150</td>
<td>99</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>90</td>
<td>37</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>8</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>5,911</td>
<td>237</td>
<td>1,056</td>
<td>21%</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>257</td>
<td>25</td>
<td>-82</td>
<td>-23%</td>
</tr>
</tbody>
</table>

Mobile Deployment

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,206</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>39.5</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning

2020 Utah School Technology Inventory
Wasatch School District

**District Facts**
- Area Population: 30,523
- Enrollment: 7,368
- Number of Schools: 9
- Urban or Rural: Rural
- Median Household Income: $77,449
- Poverty Rate: 7.2%

**Wi-Fi Networks**
- **Wi-Fi Coverage Reported by Schools (%)**
  - State: 45% Full Time Equivalent (FTE)
  - District: 89% FTE

  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

- **Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**
  - State: 35% FTE
  - District: 100% FTE

  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

- **How School Wi-Fi Networks Were Designed**
  - State: 24% FTE
  - District: 100% FTE

  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**Age of Wireless Gear (%)**
- State: 11, 10, 29, 30, 20
- District: 100%

**Age of Wired Gear (%)**
- State: 5, 6, 28, 21, 40
- District: 100%

**Computing Devices Per Student**

- **1 Device Per Student**
  - Statewide 2017: 0.84
  - District 2017: 0.97
  - Statewide 2019: 1.08
  - District 2019: 1.11

**Computing Devices Used in Schools**

- **Student Use**
  - Desktops | Windows OS: 40
  - Laptops | Windows OS: 280
  - Desktops | Mac: 96
  - Laptops | Mac: 2,468
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 5,110

- **Teacher/Admin Use**
  - Desktops | Windows OS: 62
  - Laptops | Windows OS: 124
  - Desktops | Mac: 22
  - Laptops | Mac: 587
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 514

- **Change in the # of Devices Since 2017**
  - Desktops | Windows OS: -182
  - Laptops | Windows OS: -6,490
  - Desktops | Mac: 2
  - Laptops | Mac: 3,025
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 5,235

- **Percent Change Since 2017**
  - Desktops | Windows OS: -64%
  - Laptops | Windows OS: -94%
  - Desktops | Mac: 2%
  - Laptops | Mac: 10083%
  - Chromebooks | Google: N/A
  - Tablets | Windows: N/A
  - Tablets | Android: N/A
  - Tablets | iOS: 1346%

**Mobile Deployment**
- **Wireless Device Policies at Schools (%)**
  - State: 9, 21, 67
  - District: 44, 56

- **How School Wi-Fi Networks Were Designed**
  - State: 24, 53, 21
  - District: 100

  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g., from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**
- **Computing Devices Per FTE Technical Support Staff**
  - Statewide: 1,212
  - District: 825

- **Teachers Per FTE Instructional Tech Support Staff**
  - Statewide: 145.3
  - District: 37.5

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Washington County School District

**DISTRICT FACTS**
- Area Population: 160,537
- Enrollment: 33,396
- Number of Schools: 50
- Urban or Rural: Urban
- Median Household Income: $56,877
- Poverty Rate: 12.4%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>8</td>
<td>88</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>96</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>2</td>
<td>94</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>22</td>
<td>16</td>
<td>12</td>
<td>10</td>
<td>36</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>68</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,192</td>
</tr>
<tr>
<td>145.3</td>
<td>332.1</td>
</tr>
</tbody>
</table>

**FOR MORE INFORMATION, VISIT**
[www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Wayne County School District

**DISTRICT FACTS**

- Area Population: 2,694
- Enrollment: 432
- Number of Schools: 4
- Urban or Rural: Rural
- Median Household Income: $44,694
- Poverty Rate: 8.5%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

- **STATE**: 45% - Full Time Equivalent (FTE)
- **DISTRICT**: 25% - Full Time Equivalent (FTE)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

- **STATE**: 35% - Full Time Equivalent (FTE)
- **DISTRICT**: 75% - Full Time Equivalent (FTE)

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

- **STATE**: 24% - Full Time Equivalent (FTE)
- **DISTRICT**: 100%

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- **STATE**: 11% - Less Than 1 Yr. Old, 10% - 1 Year Old, 29% - 2 Years Old, 30% - 3 Years Old, 20% - 4+ Years Old, 20% - Other, or no Wi-Fi
- **DISTRICT**: 25% - Less Than 1 Yr. Old, 75% - Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**

- **STATE**: 5% - Less Than 1 Yr. Old, 6% - 1 Year Old, 28% - 2 Years Old, 21% - 3 Years Old, 40% - 4+ Years Old, 40% - Other, or no Wi-Fi
- **DISTRICT**: 25% - Less Than 1 Yr. Old, 75% - Other, or no Wi-Fi

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

- **STATE**: 9% - 1:1 basis (students can take the devices home), 21% - 1:1 basis (devices cannot be removed from school), 67% - Devices on a cart; only available for in-classroom use, 2% - Devices only available for check-out (e.g., from the school library), 1% - No school-owned mobile devices; students can use personal devices
- **DISTRICT**: 50% - 1:1 basis (students can take the devices home), 50% - 1:1 basis (devices cannot be removed from school)

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**: 1,212
- **Teachers Per FTE Instructional Tech Support Staff**: 284, 145.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Weber School District

**DISTRICT FACTS**

- Area Population: 161,605
- Enrollment: 32,683
- Number of Schools: 46
- Urban or Rural: Urban
- Median Household Income: $74,083
- Poverty Rate: 7.0%

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>98</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>94</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>98</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>35</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

- STATEWIDE 2017: 0.84
- DISTRICT 2017: 0.55
- STATEWIDE 2019: 1.11
- DISTRICT 2019: 0.88

**COMPUTING DEVICES USED IN SCHOOLS**

- **Student Use**
  - Desksops | Windows OS: 3,888
  - Laptops | Windows OS: 19
  - Desksops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 22,519
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 2,387

- **Teacher/Admin Use**
  - Desksops | Windows OS: 2,433
  - Laptops | Windows OS: 283
  - Desksops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 1,288
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 5

- **Change in the # of Devices Since 2017**
  - Desksops: -198 (-3%)
  - Laptops: -53 (-15%)
  - Chromebooks: 12,698 (114%)
  - Tablets: -24 (-1%)

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>DISTRICT</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>24</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Appendix F:
Charter School Summary Pages
### Academy for Math Engineering & Science (AMES)

#### Charter Facts

- **Area Population**: N/A
- **Enrollment**: 499
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

#### Wi-Fi Networks

**Wi-Fi Coverage Reported by Schools (%):**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%):**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### Network Gear in Schools

**Age of Wireless Gear (%):**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>11%</td>
<td>100%</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10%</td>
<td>100%</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29%</td>
<td>100%</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>30%</td>
<td>100%</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>20%</td>
<td>100%</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>0%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Age of Wired Gear (%):**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>5%</td>
<td>100%</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6%</td>
<td>100%</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28%</td>
<td>100%</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21%</td>
<td>100%</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>40%</td>
<td>100%</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>0%</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### Computing Devices Per Student

**1 Device per Student:**

<table>
<thead>
<tr>
<th></th>
<th>STATE 2017</th>
<th>CHARTER 2017</th>
<th>STATE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows</td>
<td>0.84</td>
<td>0.62</td>
<td>0.78</td>
<td></td>
</tr>
</tbody>
</table>

#### Computing Devices Used in Schools

**Wireless Device Policies at Schools (%):**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9%</td>
<td>100%</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>21%</td>
<td>100%</td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>53%</td>
<td>100%</td>
</tr>
<tr>
<td>Devices only available for check-out (e.g. from the school library)</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>67%</td>
<td>100%</td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>2%</td>
<td>1%</td>
</tr>
</tbody>
</table>

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

**Computing Devices Per FTE Technical Support Staff:**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>581</td>
<td>145.3</td>
</tr>
</tbody>
</table>

**Teachers Per FTE Instructional Tech Support Staff:**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>96.0</td>
<td>96.0</td>
<td>96.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### American Academy of Innovation (6-12)

#### Charter Facts

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>403</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Wi-Fi Networks

##### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

##### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Computing Devices Per Student

<table>
<thead>
<tr>
<th>Category</th>
<th>2017</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Device</td>
<td>0.84</td>
<td>0.8</td>
</tr>
<tr>
<td>1.11</td>
<td>1.11</td>
<td>1.17</td>
</tr>
</tbody>
</table>

#### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Category</th>
<th>State 2017</th>
<th>Charter 2017</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESKTOPS: Windows OS</td>
<td>6</td>
<td>3</td>
<td>-1</td>
<td>-10%</td>
</tr>
<tr>
<td>Laptops Windows OS</td>
<td>30</td>
<td>5</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Desktops Mac</td>
<td>32</td>
<td>2</td>
<td>-1</td>
<td>-3%</td>
</tr>
<tr>
<td>Laptops Mac</td>
<td>105</td>
<td>30</td>
<td>-5</td>
<td>-4%</td>
</tr>
<tr>
<td>Chromebooks Google</td>
<td>90</td>
<td>0</td>
<td>-90</td>
<td>-50%</td>
</tr>
<tr>
<td>Tablets Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets iOS</td>
<td>210</td>
<td>0</td>
<td>30</td>
<td>17%</td>
</tr>
</tbody>
</table>

### Mobile Deployment

##### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>2017</th>
<th>Charter 2017</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>21</td>
<td>67</td>
<td>2%</td>
</tr>
</tbody>
</table>

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Category</th>
<th>Charter 2019</th>
<th>Statewide 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTE Tech Support Staff</td>
<td>1,140</td>
<td>1,212</td>
</tr>
<tr>
<td>Instructional Tech Support Staff</td>
<td>145.3</td>
<td>333.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
American Leadership Academy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>1,772</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>57</td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.65</td>
<td>0.78</td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>84</td>
<td>45</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>650</td>
<td>130</td>
<td>315</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>52</td>
<td>4</td>
<td>-1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>360</td>
<td>2</td>
<td>-62</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>-38</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>210</td>
<td>6</td>
<td>0</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
<td>67</td>
<td>2</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>53</td>
<td>21</td>
<td>2</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>10</td>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>Statewide</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,319</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>Statewide</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,800.0</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
American Preparatory Academy

**CHARTER FACTS**

- **Area Population**: N/A
- **Enrollment**: 4,802
- **Number of Schools**: 6
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td>1</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>100</td>
</tr>
<tr>
<td>80%</td>
<td>1</td>
</tr>
<tr>
<td>60%</td>
<td>1</td>
</tr>
<tr>
<td>Less than 60% or no Wi-Fi</td>
<td>1</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>How School Wi-Fi Networks Were Designed</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td>53</td>
<td>1</td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td>21</td>
<td>1</td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td>21</td>
<td>1</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>17</td>
</tr>
<tr>
<td>10</td>
<td>17</td>
</tr>
<tr>
<td>29</td>
<td>83</td>
</tr>
<tr>
<td>30</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>17</td>
</tr>
<tr>
<td>6</td>
<td>83</td>
</tr>
<tr>
<td>28</td>
<td>100</td>
</tr>
<tr>
<td>21</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**: 1,212
- **Teachers Per FTE Instructional Tech Support Staff**: 450.0

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Used in Schools</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>33</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>22</td>
<td>8</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>1,680</td>
<td>404</td>
<td>569</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>5</td>
<td>0</td>
<td>-111</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>75</td>
<td>15</td>
<td>25</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th>Wireless Device Policies at Schools</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>9</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>21</td>
<td>1</td>
</tr>
<tr>
<td>60% - 79% Covered</td>
<td>67</td>
<td>1</td>
</tr>
<tr>
<td>Less than 60% or no Wi-Fi</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>53</td>
<td>1</td>
</tr>
<tr>
<td>100</td>
<td>2</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>How School Wi-Fi Networks Were Designed</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9</td>
<td>100</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>21</td>
<td>1</td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>67</td>
<td>1</td>
</tr>
<tr>
<td>Devices only available for check-out (e.g. from the school library)</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Ascent Academies of Utah

#### Charter Facts

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>2,349</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>4</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Wi-Fi Networks

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
</tr>
<tr>
<td><strong>Charter</strong></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less than 60% covered (or no Wi-Fi)

<table>
<thead>
<tr>
<th>Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
</tr>
<tr>
<td><strong>Charter</strong></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>How School Wi-Fi Networks Were Designed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
</tr>
<tr>
<td><strong>Charter</strong></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

#### Age of Wireless Gear in Schools

<table>
<thead>
<tr>
<th>Age of Wireless Gear (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
</tr>
<tr>
<td><strong>Charter</strong></td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

#### Computing Devices Per Student

- **1 Device Per Student**
  - **Statewide 2017**: 0.84
  - **Charter 2017**: 0.7
  - **Statewide 2019**: 1.11
  - **Charter 2019**: 1.02

#### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desks</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>36</td>
<td>2</td>
</tr>
<tr>
<td>Desks</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>140</td>
<td>156</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>1,685</td>
<td>15</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>539</td>
<td>127</td>
</tr>
</tbody>
</table>

#### Mobile Deployment

<table>
<thead>
<tr>
<th>Wireless Device Policies at Schools (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
</tr>
<tr>
<td><strong>Charter</strong></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

#### Network Gear in Schools

<table>
<thead>
<tr>
<th>Network Gear in Schools</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
</tr>
<tr>
<td><strong>Charter</strong></td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

- **Computing Devices Per FTE Technical Support Staff**
  - **Statewide**: 1,212
  - **Charter**: 1,543

- **Teachers Per FTE Instructional Tech Support Staff**
  - **Statewide**: 145.3
  - **Charter**: 254.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Athenian eAcademy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>673</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>7</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Rural</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

| STATE | 35 | 57 | 2 | 1 |
| CHARTER | 72 | 14 |

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

| STATE | 24 | 53 | 21 | 2 |
| CHARTER | 86 | 14 |

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

| STATE | 11 | 10 | 29 | 30 | 20 |
| CHARTER | 29 | 57 | 14 |

AGE OF WIRED GEAR (%)

| STATE | 5 | 6 | 28 | 21 | 40 |
| CHARTER | 29 | 57 | 14 |

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

<table>
<thead>
<tr>
<th>Category</th>
<th>Statewide</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Technical Support Staff</td>
<td>1,212</td>
<td>633</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>3,400.0</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Athlos Academy of Utah

CHARTER FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>840</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Rural</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>90</td>
<td>2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>60</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>122</td>
<td>7</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>1,212</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>1,760</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>145.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>2,320.0</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Bear River Charter School

CHARTER FACTS

Area Population  N/A
Enrollment  176
Number of Schools  1
Urban or Rural  Urban
Median Household Income  N/A
Poverty Rate  N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

STATE  CHARTER

100% (All Rooms Covered)  45  100
80% - 99% Covered  52  100
60% - 73% Covered  2  1
Less than 60% covered (or no Wi-Fi)  1

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

STATE  CHARTER

No noticeable slowdowns  35  100
Slowdowns occur less than 10% of the time  57  100
Slowdowns occur 10% - 20% of the time  2  1
Slowdowns occur more than 20% of the time  1
Other, or no Wi-Fi  1

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

STATE  CHARTER

Outside contractor conducted a professional Wi-Fi design  24  100
In-house expert conducted a professional Wi-Fi design  53  100
Wi-Fi network was not professionally designed  21  100
Other network design choice, or no Wi-Fi  1

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

STATE  CHARTER

Less Than 1 Yr.Old  11  100
1 Year Old  10  100
2 Years Old  29  100
3 Years Old  30  100
4+ Years Old  20  100
Other, or no Wi-Fi  

AGE OF WIRED GEAR (%)

STATE  CHARTER

Less Than 1 Yr.Old  5  100
1 Year Old  6  100
2 Years Old  28  100
3 Years Old  21  100
4+ Years Old  40  100
Other, or no Wi-Fi  

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

STATE  CHARTER

1:1 basis (students can take the devices home)  9  100
1:1 basis (devices cannot be removed from school)  21  100
Devices on a cart; only available for in-classroom use  
Devices only available for check-out (e.g. from the school library)  
No school-owned mobile devices; students can use personal devices  
No mobile device usage  

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff  1,212  1,584
Teachers Per FTE Instructional Tech Support Staff  145.3  360.0

For more information, visit www.uen.org/digital-learning
### Beehive Science & Technology Academy (BSTA)

#### Charter Facts
- **Area Population**: N/A
- **Enrollment**: 320
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

#### Wi-Fi Networks

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>100</td>
<td>45</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td></td>
<td>52</td>
</tr>
<tr>
<td>60% - 79% Covered</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

#### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
<tr>
<td>57%</td>
<td>2%</td>
</tr>
<tr>
<td>5%</td>
<td>1%</td>
</tr>
</tbody>
</table>

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
<tr>
<td>53%</td>
<td></td>
</tr>
<tr>
<td>21%</td>
<td></td>
</tr>
</tbody>
</table>

#### Network Gear in Schools

**Age of Wireless Gear (%)**
- **State**: 11%, 10%, 29%, 30%, 20%
- **Charter**: 100%

**Age of Wired Gear (%)**
- **State**: 5%, 6%, 28%, 21%, 40%
- **Charter**: 100%

#### Computing Devices Per Student

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Device Per Student</td>
<td>0.84%</td>
<td>1.24%</td>
<td>1.11%</td>
<td>1.28%</td>
</tr>
</tbody>
</table>

#### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>OS</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>25</td>
<td>0</td>
<td>-24</td>
<td>-49%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>54</td>
<td>1</td>
<td>27</td>
<td>96%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>10</td>
<td>24</td>
<td>10</td>
<td>42%</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>320</td>
<td>24</td>
<td>9</td>
<td>3%</td>
</tr>
</tbody>
</table>

#### Mobile Deployment

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>21%</td>
</tr>
<tr>
<td>67%</td>
<td>2%</td>
</tr>
</tbody>
</table>

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Technical Support Staff</th>
<th>Charter</th>
<th>Statewide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>407</td>
<td>1,212</td>
</tr>
<tr>
<td>Teachers Per FTE</td>
<td>145.3</td>
<td>380.0</td>
</tr>
</tbody>
</table>

---

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Bonneville Academy

CHARTER FACTS

Area Population: N/A
Enrollment: 556
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

STATE: 45% (100), 52% (20), 2% (1)
CHARTER: 100%

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

STATE: 35% (20), 57% (5), 5% (1)
CHARTER: 100%

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

STATE: 24% (20), 53% (21), 21% (2)
CHARTER: 100%

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

STATE: 11% (10), 29% (30), 20% (20)
CHARTER: 100%

AGE OF WIRED GEAR (%)

STATE: 5% (6), 28% (21), 40% (40)
CHARTER: 100%

Computing Devices Per Student

1 DEVICE PER STUDENT

STATEWIDE 2017: 0.84
CHARTER 2017: 0.26
STATEWIDE 2019: 1.11
CHARTER 2019: 0.91

Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>58</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>26</td>
<td>60</td>
<td>26</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>356</td>
<td>356</td>
<td>622</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>60</td>
<td>60</td>
<td>85</td>
</tr>
</tbody>
</table>

Mobile Deployment

Wireless Device Policies at Schools (%)

STATE: 9% (2), 21% (1)
CHARTER: 100%

How School Wi-Fi Networks Were Designed

STATE: 24% (20), 53% (21), 21% (2)
CHARTER: 100%

Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

Computing Devices Per FTE Technical Support Staff

STATEWIDE: 1,212
CHARTER: 987

Teachers Per FTE Instructional Tech Support Staff

STATEWIDE: 145.3
CHARTER: 34,0

For more information, visit www.uen.org/digital-learning
C. S. Lewis Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 321
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>52</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>57</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>53</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>1</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.51</td>
<td>0.54</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
- Teachers Per FTE Instructional Tech Support Staff

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Canyon Grove Academy

CHARTER FACTS

Area Population: N/A
Enrollment: 640
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>10%</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.29</td>
<td>0.46</td>
<td>0.67</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desks</td>
<td>30</td>
<td>11</td>
<td>6</td>
<td>17%</td>
</tr>
<tr>
<td>Laptops</td>
<td>15</td>
<td>10</td>
<td>-109</td>
<td>-81%</td>
</tr>
<tr>
<td>Desktops</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>200</td>
<td>50</td>
<td>247</td>
<td>8233%</td>
</tr>
<tr>
<td>Tablets</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>50</td>
<td>0</td>
<td>-34</td>
<td>-40%</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>50%</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>100%</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,243</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

2020 Utah School Technology Inventory

For more information, visit www.uen.org/digital-learning
## Canyon Rim Academy

### Charter Facts
- **Area Population**: N/A
- **Enrollment**: 513
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

### Wi-Fi Networks

<table>
<thead>
<tr>
<th><strong>Wi-Fi Coverage Reported by Schools (%)</strong></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
<td>45</td>
<td>52</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
<td>35</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
<td>24</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Network Gear in Schools

<table>
<thead>
<tr>
<th><strong>Age of Wireless Gear (%)</strong></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

<table>
<thead>
<tr>
<th><strong>Age of Wired Gear (%)</strong></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

### Computing Devices Per Student

#### 1 Device Per Student

<table>
<thead>
<tr>
<th><strong>Statewide 2017</strong></th>
<th><strong>Charter 2017</strong></th>
<th><strong>Statewide 2019</strong></th>
<th><strong>Charter 2019</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.51</td>
<td>0.62</td>
<td></td>
</tr>
</tbody>
</table>

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th><strong>Device Type</strong></th>
<th><strong>Student Use</strong></th>
<th><strong>Teacher/Admin Use</strong></th>
<th><strong>Change in the # of Devices Since 2017</strong></th>
<th><strong>Percent Change Since 2017</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>37</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>130</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>153</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>15</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>20</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mobile Deployment

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>State</strong></td>
<td>9</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>21</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th><strong>Technical Support Staff</strong></th>
<th><strong>Statewide</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>7,540</td>
<td>1,212</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>145.3</td>
<td>2,971.4</td>
</tr>
</tbody>
</table>

for more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Capstone Classical Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 177
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
<td>52</td>
<td>1</td>
<td>100</td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
<td>57</td>
<td>2</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>Statewide 2017</th>
<th>Charter 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
<td>53</td>
<td>21</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
<td>10</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
<td>6</td>
<td>21</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

- **1 DEVICE PER STUDENT**
  - Statewide 2017: 0.84
  - Charter 2017: 1.11
  - Statewide 2019: 0.82
  - Charter 2019: 0.82

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>30</td>
<td>28</td>
<td>58</td>
<td>N/A</td>
</tr>
<tr>
<td>Desktops</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>115</td>
<td>0</td>
<td>115</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
<td>21</td>
<td>67</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide 2017: 1,212</td>
<td>Charter 2017: 1,416</td>
</tr>
<tr>
<td>Statewide 2019: 1,212</td>
<td>Charter 2019: 1,416</td>
</tr>
</tbody>
</table>

2020 Utah School Technology Inventory

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Center for Creativity Innovation And Discovery

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 510
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

| **STATE** | 35 | 57 | 5 |
| **CHARTER** | 100 |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

| **STATE** | 24 | 53 | 21 |
| **CHARTER** | 100 |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE</strong></td>
<td>1,212</td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
<td>1,210</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE 2017</strong></td>
</tr>
<tr>
<td><strong>CHARTER 2017</strong></td>
</tr>
<tr>
<td><strong>STATEWIDE 2019</strong></td>
</tr>
<tr>
<td><strong>CHARTER 2019</strong></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th><strong>Student Use</strong></th>
<th><strong>Teacher/Admin Use</strong></th>
<th><strong>Change in the # of Devices Since 2017</strong></th>
<th><strong>Percent Change Since 2017</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>211</td>
<td>2</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>30</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>70</td>
<td>17</td>
</tr>
</tbody>
</table>

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

| **STATE** | 9 | 21 | 67 |
| **CHARTER** | 100 |

<table>
<thead>
<tr>
<th><strong>HOW SCHOOL WI-FI NETWORKS WERE DESIGNED</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
</tr>
</tbody>
</table>

| **STATE** | 9 | 21 | 67 |
| **CHARTER** | 100 |

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g., from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Channing Hall

**CHARTER FACTS**

- **Area Population**: N/A
- **Enrollment**: 621
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>0.84</td>
<td>0.51</td>
<td>1.11</td>
<td>0.92</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%</strong></td>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>STATE 2017</th>
<th>CHARTER 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computing Devices Per FTE Technical Support Staff</strong></td>
<td>1,212</td>
<td>1,050</td>
</tr>
<tr>
<td><strong>Teachers Per FTE Instructional Tech Support Staff</strong></td>
<td>145.3</td>
<td>200.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
City Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 168
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99%</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>60% - 79%</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99%</td>
<td>57</td>
<td></td>
</tr>
<tr>
<td>60% - 79%</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>11</td>
<td>100</td>
</tr>
<tr>
<td>1 Year Old:</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>3 Years Old:</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>4+ Years Old:</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>1 Year Old:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>3 Years Old:</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>4+ Years Old:</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

- 1 Device Per Student
  - Chart 2017: 1.04
  - Chart 2019: 1.45

**COMPUTING DEVICES USED IN SCHOOLS**

- **Student Use**
  - Desktops | Windows OS: 20
  - Laptops | Windows OS: 4
  - Desktops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 220
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 0

- **Teacher/Admin Use**
  - Desktops | Windows OS: 20
  - Laptops | Windows OS: 9
  - Desktops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 10
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 0

- **Change in the # of Devices Since 2017**
  - Desktops | Windows OS: 5
  - Laptops | Windows OS: 4
  - Desktops | Mac: N/A
  - Laptops | Mac: N/A
  - Chromebooks | Google: 83
  - Tablets | Windows: N/A
  - Tablets | Android: N/A
  - Tablets | IOS: -10

- **Percent Change Since 2017**
  - Desktops | Windows OS: 14%
  - Laptops | Windows OS: 44%
  - Desktops | Mac: N/A
  - Laptops | Mac: N/A
  - Chromebooks | Google: 56%
  - Tablets | Windows: N/A
  - Tablets | Android: N/A
  - Tablets | IOS: -100%

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>80% - 99%</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>60% - 79%</td>
<td>67</td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**
  - Chart: 343
  - Statewide: 1,212

- **Teachers Per FTE Instructional Tech Support Staff**
  - Chart: 145.3
  - Statewide: 340.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
DaVinci Academy of Science & The Arts

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 1,190
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 2017</td>
</tr>
<tr>
<td>0.84</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>95</td>
<td>40</td>
<td>19%</td>
</tr>
<tr>
<td>850</td>
<td>110</td>
<td>400</td>
<td>71%</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>380</td>
<td>120</td>
<td>320</td>
<td>178%</td>
</tr>
<tr>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>515</td>
</tr>
<tr>
<td>145.3</td>
<td>112.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Dixie Montessori Academy

CHARTER FACTS

Area Population: N/A  
Enrollment: 277  
Number of Schools: 1  
Urban or Rural: Urban  
Median Household Income: N/A  
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

| STATE | 45 | 52 | 2 | 1 |
| CHARTER | 100 |

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

| STATE | 35 | 57 | 5 | 1 |
| CHARTER | 100 |

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

| STATE | 24 | 53 | 21 | 2 |
| CHARTER | 100 |

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

| STATE | 11 | 10 | 29 | 30 | 20 |
| CHARTER | 100 |

AGE OF WIRED GEAR (%)

| STATE | 5 | 6 | 28 | 21 | 40 |
| CHARTER | 100 |

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE  
Technical Support Staff: 1,212  
Teachers Per FTE  
Instructional Tech Support Staff: 877

STATEWIDE  
CHARTER

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Dual Immersion Academy

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 470
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**
- **WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
  - **STATE**: 45% - 52%
  - **CHARTER**: 100%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

- **SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
  - **STATE**: 35% - 57%
  - **CHARTER**: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

- **HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
  - **STATE**: 24% - 53%
  - **CHARTER**: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**
- **AGE OF WIRELESS GEAR (%)**
  - **STATE**: 11% - 30%
  - **CHARTER**: 100%
  - Less Than 1 Yr. Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

- **AGE OF WIRED GEAR (%)**
  - **STATE**: 5% - 21%
  - **CHARTER**: 100%
  - Less Than 1 Yr. Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

**COMPUTING DEVICES PER STUDENT**
- **1 DEVICE PER STUDENT**
  - **STATEWIDE 2017**: 0.84
  - **STATEWIDE 2019**: 0.98
  - **CHARTER 2017**: 1.15
  - **CHARTER 2019**: 0.98

**COMPUTING DEVICES USED IN SCHOOLS**
- **Desks | Windows OS**: 60% | 100%
- **Laptops | Windows OS**: 0% | 25%
- **Desks | Mac**: 0% | 0%
- **Laptops | Mac**: 0% | 0%
- **Chromebooks | Google**: 400% | 5%
- **Tablets | Windows**: 0% | 0%
- **Tablets | Android**: 0% | 0%
- **Tablets | IOS**: 0% | 0%

**MOBILE DEPLOYMENT**
- **WIRELESS DEVICE POLICIES AT SCHOOLS (%)**
  - **STATE**: 9% - 67%
  - **CHARTER**: 100%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g. from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**
- **Computing Devices Per FTE Technical Support Staff**
  - **STATEWIDE**: 1,212
  - **CHARTER**: 1,008
- **Teachers Per FTE Instructional Tech Support Staff**
  - **STATEWIDE**: 145.3
  - **CHARTER**: N/A

For more information, visit www.uen.org/digital-learning
East Hollywood High School

CHARTER FACTS

Area Population: N/A
Enrollment: 320
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.76</td>
<td>0.92</td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>50</td>
<td>30</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>30</td>
<td>3</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>200</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

For more information, visit www.uen.org/digital-learning
Edith Bowen Laboratory School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 358
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

**1 DEVICE PER STUDENT**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESKTOPS</td>
<td>0.84</td>
<td>1.08</td>
<td>0.84</td>
<td>1.11</td>
</tr>
<tr>
<td>LAPTOPS</td>
<td>0.84</td>
<td>1.08</td>
<td>0.84</td>
<td>1.11</td>
</tr>
<tr>
<td>CHROMEBOOKS</td>
<td>213</td>
<td>0</td>
<td>147</td>
<td>0</td>
</tr>
<tr>
<td>TABLETS</td>
<td>0.84</td>
<td>1.08</td>
<td>0.84</td>
<td>1.11</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,212</td>
<td>2,120</td>
</tr>
</tbody>
</table>

**Teachers Per FTE Instructional Tech Support Staff**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>145.3</td>
<td>368.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Endeavor Hall

**CHARTER FACTS**

Area Population: N/A
Enrollment: 343
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
<td>2</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>57</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>53</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

**1 DEVICE PER STUDENT**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.46</td>
<td>0.9</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
<td>67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>355</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Entheos Academy

#### CHARTER FACTS

- **Area Population**: N/A
- **Enrollment**: 1,057
- **Number of Schools**: 2
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

#### WI-FI NETWORKS

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100% (All Rooms Covered)</td>
<td>100% (All Rooms Covered)</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>80% - 99% Covered</td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25%</td>
<td>100%</td>
</tr>
<tr>
<td>80% - 99% covered</td>
<td>80% - 99% covered</td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td>Wi-Fi network was not professionally designed</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td>Other network design choice, or no Wi-Fi</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### COMPUTING DEVICES PER STUDENT

**1 DEVICE PER STUDENT**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Desks</strong></td>
<td>88</td>
<td>3</td>
<td>4</td>
<td>5%</td>
</tr>
<tr>
<td><strong>Laptops</strong></td>
<td>78</td>
<td>110</td>
<td>73</td>
<td>63%</td>
</tr>
<tr>
<td><strong>Chromebooks</strong></td>
<td>514</td>
<td>0</td>
<td>334</td>
<td>186%</td>
</tr>
<tr>
<td><strong>Tablets</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Teachers</strong></td>
<td>12</td>
<td>11</td>
<td>23</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Tablets</strong></td>
<td>9</td>
<td>0</td>
<td>-1</td>
<td>-10%</td>
</tr>
</tbody>
</table>

#### COMPUTING DEVICES USED IN SCHOOLS

**Student Use**

<table>
<thead>
<tr>
<th>COMPUTING DEVICES PER STUDENT</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Desks</strong></td>
<td>88</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>Laptops</strong></td>
<td>78</td>
<td>110</td>
<td>73</td>
</tr>
<tr>
<td><strong>Chromebooks</strong></td>
<td>514</td>
<td>0</td>
<td>334</td>
</tr>
<tr>
<td><strong>Tablets</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Teachers</strong></td>
<td>12</td>
<td>11</td>
<td>23</td>
</tr>
<tr>
<td><strong>Tablets</strong></td>
<td>9</td>
<td>0</td>
<td>-1</td>
</tr>
</tbody>
</table>

#### MOBILE DEPLOYMENT

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>100</td>
<td>2</td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Devices only available for check-out (e.g. from the school library)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

#### FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

**Computing Devices Per FTE Technical Support Staff**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1,212</strong></td>
<td>825</td>
<td>145.3</td>
</tr>
</tbody>
</table>

**Teachers Per FTE Instructional Tech Support Staff**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>91.0</strong></td>
<td>825</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Esperanza Elementary

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 535
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.32</td>
<td>1.11</td>
<td>0.57</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**NETWORK GEAR IN SCHOOLS**

2020 Utah School Technology Inventory

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
**Excelsior Academy**

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 1,325
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**COMPUTING DEVICES PER STUDENT**

**1 DEVICE PER STUDENT**

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.26</td>
<td>0.14</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>90</td>
<td>0%</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>60</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>120</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>0</td>
<td>40</td>
<td>0%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>775</td>
<td>145.3</td>
<td>4,080.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Fast Forward Charter High School

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 260
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.95</td>
<td>1.11</td>
<td>1.45</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>864</td>
</tr>
</tbody>
</table>

Computing Devices Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>32.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Franklin Discovery Academy

**CHARTER FACTS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>576</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>Coverage</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOL TIME (%)**

<table>
<thead>
<tr>
<th>Decline</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>No noticeable slowdowns</td>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>Design</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

<table>
<thead>
<tr>
<th>Gear</th>
<th>WI-Fi</th>
<th>Wired</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Age of Wireless Gear (%)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Charter</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td><strong>Age of Wired Gear (%)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Charter</td>
<td>28</td>
<td>21</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**
  - **Statewide**: 1,212
  - **Charter**: 516

- **Teachers Per FTE Instructional Tech Support Staff**
  - **Statewide**: 460.0
  - **Charter**: 145.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Freedom Preparatory Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 1,952
- Number of Schools: 3
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>67</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td>33</td>
</tr>
<tr>
<td>Less than 80% covered (or no Wi-Fi)</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>57</td>
</tr>
<tr>
<td>No noticeable slowdowns</td>
<td>2</td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td>1</td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td>2</td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td>1</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>0</td>
</tr>
</tbody>
</table>

### Computing Devices Per Student

**1 DEVICE PER STUDENT**

- **STATEWIDE 2017**: 0.84
- **CHARTER 2017**: 0.71
- **STATEWIDE 2019**: 1.11
- **CHARTER 2019**: 1.23

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>79</td>
<td>116</td>
<td>15</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>27</td>
<td>6</td>
<td>-70</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>37</td>
<td>6</td>
<td>-2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>1,966</td>
<td>0</td>
<td>1,376</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>300</td>
<td>12</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mobile Deployment

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1</td>
<td>9</td>
</tr>
<tr>
<td>1</td>
<td>21</td>
</tr>
</tbody>
</table>

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>67</td>
</tr>
<tr>
<td>21</td>
<td>33</td>
</tr>
</tbody>
</table>

#### Network Gear in Schools

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>67</td>
</tr>
<tr>
<td>10</td>
<td>33</td>
</tr>
<tr>
<td>29</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>21</td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>28</td>
<td>33</td>
</tr>
<tr>
<td>21</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE</strong></td>
<td><strong>STATEWIDE</strong></td>
</tr>
<tr>
<td>1,212</td>
<td>4,840.0</td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
<td><strong>CHARTER</strong></td>
</tr>
<tr>
<td>1,874</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Gateway Preparatory Academy

#### CHARTER FACTS
- Area Population: N/A
- Enrollment: 680
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

#### WI-FI NETWORKS

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>100</td>
</tr>
</tbody>
</table>

#### COMPUTING DEVICES PER STUDENT

**1 DEVICE PER STUDENT**

- **STATEWIDE 2017:** 0.84
- **CHARTER 2017:** 0.48
- **STATEWIDE 2019:** 1.11
- **CHARTER 2019:** 0.77

#### COMPUTING DEVICES USED IN SCHOOLS

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff:**
  - **STATEWIDE:** 1,212
  - **CHARTER:** 588

- **Teachers Per FTE Instructional Tech Support Staff:**
  - **STATEWIDE:** 145.3
  - **CHARTER:** 280.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
George Washington Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 998
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 2017</td>
</tr>
<tr>
<td>0.84</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>92</td>
<td>66</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>37</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>892</td>
<td>15</td>
<td>314</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>4</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>32</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
<tr>
<td>1,212</td>
<td>1,097</td>
</tr>
<tr>
<td>CHARTER</td>
<td>STATEWIDE</td>
</tr>
<tr>
<td>145.3</td>
<td>1,020.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Good Foundations Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 489
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

#### WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

#### SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**COMPUTING DEVICES PER STUDENT**

- **1 DEVICE PER STUDENT**
  - STATEWIDE 2017: 0.84
  - CHARTER 2017: 0.55
  - STATEWIDE 2019: 0.63
  - CHARTER 2019: N/A

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Operating System</th>
<th>2017</th>
<th>2019</th>
<th>Change</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>-28</td>
<td>-46%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows</td>
<td>0</td>
<td>4</td>
<td>-20</td>
<td>-83%</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>26</td>
<td>0</td>
<td>1</td>
<td>4%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>260</td>
<td>0</td>
<td>80</td>
<td>44%</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>20</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>21%</td>
</tr>
<tr>
<td>67%</td>
<td>2%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

#### AGE OF WIRELESS GEAR (%) (2019)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### AGE OF WIRED GEAR (%) (2019)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>6%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE: 1,212</td>
<td>CHARTER: 401</td>
</tr>
<tr>
<td>STATEWIDE: N/A</td>
<td>CHARTER: 145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Greenwood Charter School

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 380
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 2017: 0.84</td>
</tr>
<tr>
<td>CHARTER 2017: 0.64</td>
</tr>
<tr>
<td>STATEWIDE 2019: 0.5</td>
</tr>
<tr>
<td>CHARTER 2019: 0.5</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>50</td>
<td>30</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>130</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>10</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 1,212</td>
<td>CHARTER 2,987</td>
</tr>
<tr>
<td>CHARTER 145.3</td>
<td>CHARTER 840.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Guadalupe School

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 425
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>52</td>
<td>1</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>No noticeable slowdowns</td>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>57</td>
<td>1</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td>53</td>
<td>21</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>11</td>
<td>100</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>3 Years Old</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE 17</th>
<th>CHARTER 17</th>
<th>STATEWIDE 19</th>
<th>CHARTER 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Device per Student</td>
<td>0.84</td>
<td>0.77</td>
<td>1.11</td>
<td>1.34</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>**Desktops</td>
<td>Windows OS</td>
<td>26</td>
<td>48</td>
<td>24</td>
</tr>
<tr>
<td>**Laptops</td>
<td>Windows OS</td>
<td>196</td>
<td>40</td>
<td>161</td>
</tr>
<tr>
<td>**Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>**Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>**Chromebooks</td>
<td>Google</td>
<td>198</td>
<td>0</td>
<td>-82</td>
</tr>
<tr>
<td>**Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>150</td>
</tr>
<tr>
<td>**Tablets</td>
<td>Android</td>
<td>150</td>
<td>9</td>
<td>150</td>
</tr>
<tr>
<td>**Tablets</td>
<td>iOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9</td>
<td>100</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Devices only available for check-out (e.g. from the school library)</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>67</td>
<td>2</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE</strong></td>
<td>1,212</td>
<td>145.3</td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
<td>1,334</td>
<td></td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Hawthorn Academy

**CHARTER FACTS**

- **Area Population**: N/A
- **Enrollment**: 1,409
- **Number of Schools**: 2
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>56</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE**

- **Statewide**: 1,212
- **Charter**: 704

**Teachers Per FTE**

- **Statewide**: 145.3
- **Charter**: 96.8

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Highmark Charter School

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 621
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.83</td>
<td>0.92</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>540</td>
<td>70</td>
<td>0%</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>30</td>
<td>51</td>
<td>0%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
- Teachers Per FTE Instructional Tech Support Staff

- Statewide: 1,212, 1,316, 145.3, 546.7
- Charter: 1,212, 1,316, 145.3, 546.7

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Ignite Entrepreneurship Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 545
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

**STATE**

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**CHARTER**

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g., from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>253.3</td>
</tr>
<tr>
<td>1,033</td>
<td></td>
</tr>
<tr>
<td>145.3</td>
<td></td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Intech Collegiate High School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 158
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
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**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
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<th>10</th>
<th>29</th>
<th>30</th>
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</tr>
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<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
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**AGE OF WIRED GEAR (%)**

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<th>STATE</th>
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<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
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<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

- 1 DEVICE PER STUDENT
  - 0.84 (STATEWIDE 2017)
  - 1.07 (CHARTER 2017)
  - 1.11 (STATEWIDE 2019)
  - 1.1 (CHARTER 2019)

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
  - Statewide: 1,212
  - Charter: 249
- Teachers Per FTE Instructional Tech Support Staff
  - Statewide: 145.3
  - Charter: N/A

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Itineris Early College High School

CHARTER FACTS

- Area Population: N/A
- Enrollment: 414
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.19</td>
<td>1.11</td>
<td>1.39</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>75</td>
<td>2</td>
<td>7600%</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>2</td>
<td>-20%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>22</td>
<td>3%</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Windows</td>
<td>500</td>
<td>0</td>
<td>3%</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>12</td>
<td>0%</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>2,043</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Jefferson Academy

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 580
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.84</td>
<td>0.36</td>
<td>0.47</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**STUDENT USE**
- Desks | Windows OS | 58
- Laptops | Windows OS | 3
- Desks | Mac | 0
- Laptops | Mac | 0
- Chromebooks | Google | 210
- Tablets | Windows | 0
- Tablets | Android | 0
- Tablets | iOS | 0

**TEACHER/ADMIN USE**
- Desks | Windows OS | 6
- Laptops | Windows OS | 8
- Desks | Mac | 3
- Laptops | Mac | 32
- Chromebooks | Google | 0
- Tablets | Windows | 0
- Tablets | Android | 0
- Tablets | iOS | 30

**CHANGE IN THE # OF DEVICES SINCE 2017**
- 0%
- 0%
- 0%
- 0%
- 40%
- N/A
- N/A
- 0%

**Percent Change Since 2017**
- 0%
- 0%
- 0%
- 0%
- 40%
- N/A
- N/A
- 0%

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>21%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**TEACHERS PER FTE**
- Chart: 1,273
- Statewide: 1,212

**TECHNICAL SUPPORT STAFF**
- Chart: 145.3
- Statewide: 1,060.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
John Hancock Charter School

**CHARTER FACTS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>159</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td>1</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
<tr>
<td>57</td>
<td>1</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>53</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>0.84</td>
<td>0.93</td>
<td>1.11</td>
<td>1.51</td>
</tr>
<tr>
<td>1 Year Old</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Years Old</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4+ Years Old</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>-1</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>24</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>24</td>
<td>18</td>
<td>-6</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>144</td>
<td>0</td>
<td>72</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>48</td>
<td>12</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td>67</td>
<td>2</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

<table>
<thead>
<tr>
<th>Age of Wireless Gear (%)</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
<td>29</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Other or no Wi-Fi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age of Wired Gear (%)</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
<td>28</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Other or no Wi-Fi</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Technical Support Staff</td>
<td>1,212</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Karl G Maeser Preparatory Academy

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 640
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>2017</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.11</td>
</tr>
<tr>
<td>0.88</td>
<td>1.16</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in % of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>40%</td>
<td>0%</td>
<td>10%</td>
<td>33%</td>
</tr>
<tr>
<td>Laptops</td>
<td>0%</td>
<td>55%</td>
<td>-30%</td>
<td>-35%</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>700%</td>
<td>0%</td>
<td>200%</td>
<td>40%</td>
</tr>
<tr>
<td>Tablets</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>100%</td>
<td>-2%</td>
<td>-100%</td>
<td>0%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Statewide</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Technical Support Staff</td>
<td>1,212</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Lakeview Academy

CHARTER FACTS

- Area Population: N/A
- Enrollment: 1,000
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.35</td>
<td>0.35</td>
<td>1.11</td>
<td>1.3</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>50</td>
<td>20</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Laptops</td>
<td>0</td>
<td>100</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Desktops</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>900</td>
<td>700</td>
<td>350%</td>
<td></td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>50</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Tablets</td>
<td>300</td>
<td>20</td>
<td>-30</td>
<td>-9%</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td>67</td>
<td>21</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,920</td>
</tr>
</tbody>
</table>

Teaching Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>1,920.0</td>
</tr>
</tbody>
</table>

2020 Utah School Technology Inventory

For more information, visit www.uen.org/digital-learning
### Leadership Academy of Utah

#### Charter Facts

- **Area Population**: N/A
- **Enrollment**: 503
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

#### Wi-Fi Networks

**Wi-Fi Coverage Reported by Schools (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### How School Wi-Fi Networks Were Designed

**State**

- 24%: Outside contractor conducted a professional Wi-Fi design
- 53%: In-house expert conducted a professional Wi-Fi design
- 21%: Wi-Fi network was not professionally designed
- 2%: Other network design choice, or no Wi-Fi

**Charter**

- 100%

#### Network Gear in Schools

**Age of Wireless Gear (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>11%</td>
<td>100%</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29%</td>
<td></td>
</tr>
<tr>
<td>3+ Years Old</td>
<td>30%</td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>20%</td>
<td></td>
</tr>
</tbody>
</table>

**Age of Wired Gear (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr.Old</td>
<td>5%</td>
<td>100%</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28%</td>
<td></td>
</tr>
<tr>
<td>3+ Years Old</td>
<td>21%</td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>40%</td>
<td></td>
</tr>
</tbody>
</table>

### Computing Devices Per Student

**1 Device Per Student**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.84</td>
<td>1.11</td>
<td>1.07</td>
<td>1.07</td>
</tr>
</tbody>
</table>

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>290</td>
<td>10</td>
<td>300</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>250</td>
<td>0</td>
<td>250</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Mobile Deployment

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9%</td>
<td>21%</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>67%</td>
<td>67%</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Type</th>
<th>Computing Devices Per FTE</th>
<th>Teachers Per FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide</td>
<td>1,212</td>
<td>1,597</td>
</tr>
<tr>
<td>Charter</td>
<td>1,597</td>
<td>145.3</td>
</tr>
<tr>
<td>Statewide</td>
<td>1,640.0</td>
<td></td>
</tr>
</tbody>
</table>

2020 Utah School Technology Inventory

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Leadership Learning Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 879
- Number of Schools: 2
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>50</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.89</td>
<td>1.11</td>
<td>0.26</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>230</td>
<td>52</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>18</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>869</td>
</tr>
<tr>
<td>145.3</td>
<td>108.6</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Legacy Preparatory Academy

CHARTER FACTS

Area Population: N/A
Enrollment: 1,119
Number of Schools: 2
Urban or Rural: Rural
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>50</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017 | CHARTER 2017 | STATEWIDE 2019 | CHARTER 2019
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.27</td>
<td>1.11</td>
<td>0.44</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Operating System</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>179</td>
<td>75</td>
<td>117</td>
<td>85%</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>49</td>
<td>70</td>
<td>77</td>
<td>183%</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>240</td>
<td>0</td>
<td>60</td>
<td>33%</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>18</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>28</td>
<td>5</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>50</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,265</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Lincoln Academy

CHARTER FACTS

Area Population: N/A
Enrollment: 862
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

STATE

CHARTER

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

100% (All Rooms Covered)
80% - 99% Covered
60% - 79% Covered
Less than 60% covered (or no Wi-Fi)

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

STATE

CHARTER

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017: 0.84
CHARTER 2017: 0.44
STATEWIDE 2019: 1.11
CHARTER 2019: 1.05

COMPUTING DEVICES USED IN SCHOOLS

Student Use
Teacher/ Admin Use
Change in the # of Devices Since 2017
Percent Change Since 2017

Desks: 0 | Windows OS
Laptops: 0 | Windows OS
Desktops: 106 | Mac
Laptops: 6 | Mac
Chromebooks: 732 | Google
Tablets: 60 | Windows
Tablets: 3 | Android
Tablets: 58 | IOS

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%) (STATE)

STATE

CHARTER

AGE OF WIRELESS GEAR (%) (CHARTER)

STATE

CHARTER

CHARTER

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

STATE

CHARTER

STATE

CHARTER

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff
Teachers Per FTE Instructional Tech Support Staff

STATEWIDE: 1,212
CHARTER: 1,047
STATEWIDE: 145.3
CHARTER: 69.8

For more information, visit www.uen.org/digital-learning
Lumen Scholar

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 345
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.61</td>
<td>1.11</td>
<td>1.17</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**: STATEWIDE 1,212, CHARTER 491
- **Teachers Per FTE Instructional Tech Support Staff**: STATEWIDE 145.3, CHARTER 660.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Mana Academy Charter School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 218
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>52</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
<td></td>
</tr>
<tr>
<td></td>
<td>57</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- STATE: 11 10 29 30 20
- CHARTER: 100

**AGE OF WIRED GEAR (%)**

- STATE: 5 6 28 21 40
- CHARTER: 100

**COMPUTING DEVICES PER STUDENT**

- 1 Device Per Student: 1.47
- Statewide 2017: 0.84
- Charter 2017: 1.11
- Statewide 2019: 1.92
- Charter 2019: 1.11

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>5</td>
<td>8</td>
<td>-2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>20</td>
<td>2</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>1</td>
<td>-1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>402</td>
<td>20</td>
<td>-83</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>67</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff: 1,212
- Teachers Per FTE Instructional Tech Support Staff: 1,640.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Merit College Preparatory Academy

#### Charter Facts

- **Area Population**: N/A
- **Enrollment**: 450
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

#### Wi-Fi Networks

**Wi-Fi Coverage Reported by Schools (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statewide</strong></td>
<td>45</td>
<td>52</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less than 60% covered (or no Wi-Fi)

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statewide</strong></td>
<td>35</td>
<td>57</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**How School Wi-Fi Networks Were Designed**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statewide</strong></td>
<td>24</td>
<td>53</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Computing Devices Per Student

**1 Device Per Student**

- **Statewide 2017**: 0.84
- **Charter 2017**: 0.82
- **Statewide 2019**: 0.58
- **Charter 2019**: 1.11

#### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>55</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>40</td>
<td>11</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>-1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>200</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>-75</td>
</tr>
</tbody>
</table>

#### Mobile Deployment

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statewide</strong></td>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>67</td>
<td>2</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### Network Gear in Schools

**Age of Wireless Gear (%)**

<table>
<thead>
<tr>
<th>Age</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
<td>29</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Age of Wired Gear (%)**

<table>
<thead>
<tr>
<th>Age</th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
<td>28</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28</td>
<td>21</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21</td>
<td>40</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Technical Support Staff</th>
<th>Statewide</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>1,212</td>
<td>1,530</td>
</tr>
<tr>
<td>Teachers Per FTE</td>
<td>145.3</td>
<td>1,440.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
**Moab Charter School**

### Charter Facts
- Area Population: N/A
- Enrollment: 78
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

### Wi-Fi Networks

#### Wi-Fi Coverage Reported by Schools (%)
- **State**: 45%
- **Charter**: 100%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

#### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)
- **State**: 35%
- **Charter**: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed
- **State**: 24%
- **Charter**: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

### Network Gear in Schools

#### Age of Wireless Gear (%)
- **State**: 11%
- **Charter**: 100%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

#### Age of Wired Gear (%)
- **State**: 5%
- **Charter**: 100%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

### Computing Devices Used in Schools

#### Computing Devices Per Student

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Windows OS</th>
<th>Windows 10</th>
<th>Windows 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>0</td>
<td>8</td>
<td>17</td>
</tr>
<tr>
<td>Laptops</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>77</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>0</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mobile Deployment

#### Wireless Device Policies at Schools (%)
- **State**: 9%
- **Charter**: 100%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g., from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools
- **Consulting Devices Per FTE Technical Support Staff**: 3,456
- **Teachers Per FTE Instructional Tech Support Staff**: 480.0

**For more information, visit** [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Monticello Academy

CHARTER FACTS

Area Population: N/A
Enrollment: 663
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

STATE | 45 | 52 % | 1
CHARTER | 100 |

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

STATE | 35 | 57 % | 1
CHARTER | 100 |

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

STATE | 24 | 53 | 21 | 2
CHARTER | 100 |

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

STATE | 11 | 10 | 29 | 30 | 20
CHARTER | 100 |

AGE OF WIRED GEAR (%)

STATE | 5 | 6 | 28 | 21 | 40
CHARTER | 100 |

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017 | CHARTER 2017 | STATEWIDE 2019 | CHARTER 2019

0.84 | 1.18 | 1.11 | 1.62

COMPUTING DEVICES USED IN SCHOOLS

Student Use | Teacher/Admin Use | Change in the # of Devices Since 2017 | Percent Change Since 2017

Desktops | Windows OS | 78 | 2 | 0 | 0%
Laptops | Windows OS | 0 | 45 | -15 | -25%
Desktops | Mac | 0 | 0 | 0 | N/A
Laptops | Mac | 0 | 1 | 0 | N/A
Chromebooks | Google | 853 | 10 | 233 | 37%
Tablets | Windows | 0 | 0 | 0 | N/A
Tablets | Android | 0 | 0 | -90 | -100%
Tablets | IOS | 140 | 10 | -5 | -3%

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

STATE | 9 | 21 | <1 | 2 | <1
CHARTER | 100 |

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff: 1,212
Teachers Per FTE Instructional Tech Support Staff: 1,139

STATEWIDE | CHARTER | STATEWIDE | CHARTER

145.3 | N/A

For more information, visit www.uen.org/digital-learning
## Mountain Heights Academy

### CHARTER FACTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>834</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### WI-FI NETWORKS

#### WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

### SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

### HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### NETWORK GEAR IN SCHOOLS

#### AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

#### AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

### COMPUTING DEVICES PER STUDENT

#### 1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.57</td>
<td>0.96</td>
<td></td>
</tr>
</tbody>
</table>

### COMPUTING DEVICES USED IN SCHOOLS

#### Student Use

- Desktops | Windows OS: 0
- Laptops | Windows OS: 0
- Desktops | Mac: 0
- Laptops | Mac: 0
- Chromebooks | Google: 800
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | iOS: 0

#### Teacher/Admin Use

- Change in the # of Devices Since 2017
  - Desktops | Windows OS: 7
  - Laptops | Windows OS: 0
  - Desktops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 75
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 0

#### Percent Change Since 2017

- Desktops | Windows OS: 40%
- Laptops | Windows OS: -100%
- Desktops | Mac: N/A
- Laptops | Mac: -100%
- Chromebooks | Google: 1844%
- Tablets | Windows: N/A
- Tablets | Android: N/A
- Tablets | iOS: N/A

### MOBILE DEPLOYMENT

#### WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

#### change in the # of devices since 2017

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

#### Computing Devices Per FTE

- Statewide: 1,212
- Charter: 353

#### Teachers Per FTE

- Statewide: 145.3
- Charter: 71.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Mountain West Montessori Academy

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 503
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>State</th>
<th>Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>5%</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>6%</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,093</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Mountainville Academy

CHARTER FACTS

- Area Population: N/A
- Enrollment: 658
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

WI-FI NETWORKS

- **WI-FI COVERAGE REPORTED BY SCHOOLS (%):**
  - **STATE:** 45 / 52 / 1
  - **CHARTER:** 100
    - 100% (All Rooms Covered)
    - 80% - 99% Covered
    - 60% - 73% Covered
    - Less than 60% covered (or no Wi-Fi)

- **SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%):**
  - **STATE:** 35 / 57 / 5
  - **CHARTER:** 100
    - No noticeable slowdowns
    - Slowdowns occur less than 10% of the time
    - Slowdowns occur 10% - 20% of the time
    - Slowdowns occur more than 20% of the time
    - Other, or no Wi-Fi

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

- **STATE:** 24 / 53 / 21
- **CHARTER:** 100
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

NETWORK GEAR IN SCHOOLS

- **AGE OF WIRELESS GEAR (%):**
  - **STATE:** 11 / 10 / 29 / 30 / 20
  - **CHARTER:** 100
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

- **AGE OF WIRED GEAR (%):**
  - **STATE:** 5 / 6 / 28 / 21 / 40
  - **CHARTER:** 100
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

COMPUTING DEVICES PER STUDENT

- **1 DEVICE PER STUDENT:**
  - **STATEWIDE 2017:** 0.84
  - **CHARTER 2017:** 0.68
  - **STATEWIDE 2019:** 1.11
  - **CHARTER 2019:** 1.34

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desks</td>
<td>WIndows OS</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>Laptops</td>
<td>WIndows OS</td>
<td>0</td>
<td>60</td>
</tr>
<tr>
<td>Desks</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>780</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>70</td>
<td>60</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

- **WIRELESS DEVICE POLICIES AT SCHOOLS (%):**
  - **STATE:** 9 / 21 / 67
  - **CHARTER:** 21 / 100
    - 1:1 basis (students can take the devices home)
    - 1:1 basis (devices cannot be removed from school)
    - Devices on a cart; only available for in-classroom use
    - Devices only available for check-out (e.g. from the school library)
    - No school-owned mobile devices; students can use personal devices
    - No mobile device usage

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

- **Computing Devices Per FTE Technical Support Staff:**
  - **STATEWIDE:** 1,212
  - **CHARTER:** 2,871
- **Teachers Per FTE Instructional Tech Support Staff:**
  - **STATEWIDE:** 145.3
  - **CHARTER:** 800.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### Navigator Pointe Academy

**CHARTER FACTS**

- **Area Population**: N/A
- **Enrollment**: 455
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

**1 DEVICE PER STUDENT**

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.18</td>
<td>0.37</td>
<td>0.04</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>67</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

- **STATEWIDE**: 1,212
- **CHARTER**: 363

**Teachers Per FTE Instructional Tech Support Staff**

- **STATEWIDE**: 145.3
- **CHARTER**: 200.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Noah Webster Academy

**CHARTER FACTS**

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>524</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

| STATE                                  | 35 | 57 | 5 |
| CHARTER                                | 100| 1  |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

| STATE                                  | 24 | 53 | 21 |
| CHARTER                                | 100| 2  |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>926</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
<tr>
<td>145.3</td>
<td>266.7</td>
</tr>
<tr>
<td>CHARTER</td>
<td>CHARTER</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
North Davis Preparatory Academy

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 1,019
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

**1 DEVICE PER STUDENT**

- **STATEWIDE 2017**: 0.84
- **CHARTER 2017**: 0.34
- **STATEWIDE 2019**: 1.11
- **CHARTER 2019**: 0.54

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

- **STATEWIDE**: 1,212
- **CHARTER**: 537

**Teachers Per FTE Instructional Tech Support Staff**

- **STATEWIDE**: 145.3
- **CHARTER**: 490.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
**North Star Academy**

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 530
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.67</td>
<td>0.92</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>-1</td>
<td>-100%</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>-29</td>
<td>-100%</td>
</tr>
<tr>
<td>62</td>
<td>3</td>
<td>-31</td>
<td>-32%</td>
</tr>
<tr>
<td>0</td>
<td>32</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>423</td>
<td>0</td>
<td>201</td>
<td>91%</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,855</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Northern Utah Academy for Math Engineering And Science

### Charter Facts

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>1,035</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>2</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Wi-Fi Networks

#### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>50</td>
</tr>
</tbody>
</table>

### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>21</td>
</tr>
</tbody>
</table>

### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>50</td>
</tr>
</tbody>
</table>

### Computing Devices Per Student

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Device Per Student</td>
<td>0.84</td>
<td>0.65</td>
</tr>
<tr>
<td>1.11</td>
<td>0.81</td>
<td></td>
</tr>
</tbody>
</table>

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th><strong>Student Use</strong></th>
<th><strong>Teacher/Admin Use</strong></th>
<th><strong>Change in the # of Devices Since 2017</strong></th>
<th><strong>Percent Change Since 2017</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>565</td>
<td>72</td>
<td>173</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>270</td>
<td>38</td>
<td>234</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mobile Deployment

#### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th></th>
<th><strong>State</strong></th>
<th><strong>Charter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th></th>
<th><strong>Computing Devices Per FTE</strong></th>
<th><strong>Teachers Per FTE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Technical Support Staff</strong></td>
<td><strong>Instructional Tech Support Staff</strong></td>
</tr>
<tr>
<td><strong>State</strong></td>
<td>1,212</td>
<td>946</td>
</tr>
<tr>
<td><strong>Charter</strong></td>
<td>145.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
## Odyssey Charter School

### Charter Facts

Area Population: N/A  
Enrollment: 431  
Number of Schools: 1  
Urban or Rural: Urban  
Median Household Income: N/A  
Poverty Rate: N/A  

### Wi-Fi Networks

#### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less that 60% covered (or no Wi-Fi)

#### Schools ExperiencingDeclines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Network Gear in Schools

#### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

#### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

### Mobile Deployment

#### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th></th>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### Computing Devices Per Student

- 1 Device Per Student: 1.11 (Statewide 2019: 0.54, Charter 2019: 0.54)
- 0.84 (Statewide 2017: 0.31, Charter 2017: 0.31)

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>58</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>43</td>
<td>3</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>-2</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>174</td>
<td>0</td>
<td>84</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th></th>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide</td>
<td>1,212</td>
<td>1,249</td>
</tr>
<tr>
<td>Charter</td>
<td>1,280.0</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Ogden Preparatory Academy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>1,049</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>45</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>5</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE 2017</td>
</tr>
<tr>
<td>0.84</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>-1</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>10</td>
<td>-5</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>910</td>
<td>60</td>
<td>249</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>100</td>
<td>2</td>
<td>-18</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

<table>
<thead>
<tr>
<th>WIRELESS DEVICE POLICIES AT SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>9</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>HOW SCHOOL WI-FI NETWORKS WERE DESIGNED</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>24</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

<table>
<thead>
<tr>
<th>FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>1,212</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Open Classroom

CHARTER FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th>Enrollment</th>
<th>Number of Schools</th>
<th>Urban or Rural</th>
<th>Median Household Income</th>
<th>Poverty Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>323</td>
<td>1</td>
<td>Urban</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

| STATE | 35 | 57 | 5 |
| CHARTER | 100 |

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
<tr>
<td>1,212</td>
<td>2,407</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Pacific Heritage Academy

CHARTER FACTS

- Area Population: N/A
- Enrollment: 389
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

- State: 45 (100%)
- Charter: 100 (100%)

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

- State: 35 (100%)
- Charter: 100 (100%)

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

- State: 24 (100%)
- Charter: 100 (100%)

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

- State: 11 (Less Than 1 Yr. Old), 10 (1 Year Old), 29 (2 Years Old), 30 (3 Years Old), 20 (4+ Years Old)
- Charter: 100 (Other, or no Wi-Fi)

AGE OF WIRED GEAR (%)

- State: 5 (Less Than 1 Yr. Old), 6 (1 Year Old), 28 (2 Years Old), 21 (3 Years Old), 40 (4+ Years Old)
- Charter: 100 (Other, or no Wi-Fi)

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017: 0.84
CHARTER 2017: 0.41
STATEWIDE 2019: 0.76
CHARTER 2019: 0.76

COMPUTING DEVICES USED IN SCHOOLS

- Desktops | Windows OS: 0 | 51 | 51 | N/A
- Laptops | Windows OS: 0 | 36 | -6 | -14%
- Desktops | Mac: 39 | 1 | 40 | N/A
- Laptops | Mac: 0 | 3 | 0 | 0%
- Chromebooks | Google: 180 | 0 | 60 | 50%
- Tablets | Windows: 66 | 7 | 37 | 103%
- Tablets | Android: 66 | 7 | 37 | 103%
- Tablets | IOS: 6 | 2 | 8 | N/A

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

- State: 9 (1:1 basis), 21 (Devices cannot be removed from school), 67 (Devices on a cart), 2 (Devices only available for check-out), 1 (No school-owned mobile devices)
- Charter: 100 (1:1 basis students can take devices home), 1 (1:1 basis devices cannot be removed from school), 2 (Devices on a cart), 1 (Devices only available for check-out), 1 (No school-owned mobile devices)

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

- Computing Devices Per FTE: Statewide 1,212, Charter 1,975
- Teachers Per FTE: Statewide 145.3, Charter 360.0

For more information, visit www.uen.org/digital-learning
Paradigm High School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 438
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

| STATE | 45 | 52 | 100 |
| CHARTER | 100 |

**SCHOOLS EXPERIENCINGdeclines inWI-FI SERVICE SPEEDSDURING SCHOOLTIME (%)**

| STATE | 35 | 57 | 100 |
| CHARTER | 100 |

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

| STATE | 24 | 53 | 21 | 100 |
| CHARTER | 100 |

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

| STATE | 11 | 10 | 29 | 30 | 20 |
| CHARTER | 100 |

**AGE OF WIRED GEAR (%)**

| STATE | 5 | 6 | 28 | 21 | 40 |
| CHARTER | 100 |

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
- Teachers Per FTE Instructional Tech Support Staff

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Pinnacle Canyon Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 473
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

- **STATE**: 45, 52, 1
- **CHARTER**: 100

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

- **STATE**: 35, 57, 1
- **CHARTER**: 100

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

- **STATE**: 24, 53, 21
- **CHARTER**: 100

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- **STATE**: 11, 10, 29, 30, 20
- **CHARTER**: 100

**AGE OF WIRED GEAR (%)**

- **STATE**: 5, 6, 28, 21, 40
- **CHARTER**: 100

**COMPUTING DEVICES USED IN SCHOOLS**

**STUDENT USE**

- Desktops | Windows OS: 0
- Laptops | Windows OS: 0
- Desktops | Mac: 73
- Laptops | Mac: 221
- Chromebooks | Google: 30
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | iOS: 550

**TEACHER/ADMIN USE**

- Desktops | Windows OS: 6
- Laptops | Windows OS: 5
- Desktops | Mac: 6
- Laptops | Mac: 42
- Chromebooks | Google: 0
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | iOS: 35

**Change in the # of Devices Since 2017**

- Desktops | Windows OS: 0
- Laptops | Windows OS: -100
- Desktops | Mac: 0
- Laptops | Mac: 96
- Chromebooks | Google: 0
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | iOS: -9

**Percent Change Since 2017**

- Desktops | Windows OS: 0%
- Laptops | Windows OS: -95%
- Desktops | Mac: 0%
- Laptops | Mac: 57%
- Chromebooks | Google: 0%
- Tablets | Windows: N/A
- Tablets | Android: N/A
- Tablets | iOS: -2%

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

- **STATE**: 9, 21, 67
- **CHARTER**: 100

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**: 1,212
- **Teachers Per FTE Instructional Tech Support Staff**: 774

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Promontory School of Expeditionary Learning

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 435
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

- **Wi-Fi Coverage Reported by Schools (%):**
  - **State:** 45
  - **Charter:** 100

- **Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%):**
  - **State:** 35
  - **Charter:** 100

**How School Wi-Fi Networks Were Designed**

- **State:**
  - 24
  - 53
  - 21

- **Charter:**
  - 100

**Network Gear in Schools**

- **Age of Wireless Gear (%):**
  - **State:**
    - Less Than 1 Yr. Old: 11
    - 1 Year Old: 10
    - 2 Years Old: 29
    - 3 Years Old: 30
    - 4+ Years Old: 20
  - **Charter:**
    - 100

- **Age of Wired Gear (%):**
  - **State:**
    - Less Than 1 Yr. Old: 5
    - 1 Year Old: 6
    - 2 Years Old: 28
    - 3 Years Old: 21
    - 4+ Years Old: 40
  - **Charter:**
    - 100

**Computing Devices Per Student**

- **1 Device Per Student:**
  - Statewide 2017: 0.84
  - Charter 2017: 0.42
  - Statewide 2019: 0.78
  - Charter 2019: 0.78

**Computing Devices Used in Schools**

- **Student Use**
  - Desksops | Windows OS: 28
  - Laptops | Windows OS: 56
  - Desksops | Mac: 0
  - Laptops | Mac: 1
  - Chromebooks | Google: 220
  - Tablets | Windows: 0
  - Tablets | Android: 25
  - Tablets | IOS: 10

- **Teacher/Admin Use**
  - Desksops: 35
  - Laptops: 25
  - Chromebooks: 20
  - Tablets: 0
  - Tablets: 4

- **Change in the # of Devices Since 2017**
  - 0%
  - N/A
  - 248%
  - 0%
  - 33%
  - 248%
  - 0%
  - 0%

**Mobile Deployment**

- **Wireless Device Policies at Schools (%):**
  - **State:**
    - 9
    - 21
    - 67
  - **Charter:**
    - 2
    - 1

**Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools**

- **Computing Devices Per FTE Technical Support Staff**
  - Statewide: 3,416
  - Charter: 1,212

- **Teachers Per FTE Instructional Tech Support Staff**
  - Statewide: 145.3
  - Charter: N/A

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Providence Hall

CHARTER FACTS

Area Population: N/A
Enrollment: 2,081
Number of Schools: 3
Urban or Rural: Rural
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>30</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.36</td>
<td>0.75</td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>18</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>512</td>
<td>181</td>
<td>194</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>850</td>
<td>0</td>
<td>510</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>7</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>124</td>
<td>16</td>
<td>63</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>663</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>428.0</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
### Quest Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 1,000
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

![Device Usage Graph]

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>30</td>
<td>5</td>
<td>-72</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>30</td>
<td>4</td>
<td>-19</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>375</td>
<td>68</td>
<td>53</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>852</td>
<td>0</td>
<td>552</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>6</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>375</td>
<td>68</td>
<td>-117</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Staff Type</th>
<th>Statewide</th>
<th>Charter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>1,212</td>
<td>1,252</td>
</tr>
<tr>
<td>Technical Support Staff</td>
<td>145.3</td>
<td>186.7</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>1,212</td>
<td>1,252</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Reagan Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 677
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- All Rooms Covered
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
- Teachers Per FTE Instructional Tech Support Staff

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Real Salt Lake Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 338
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATE</strong></td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

| STATE | 35 | 57 | 5 | 1 |
| CHARTER | 100 |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

| STATE | 24 | 53 | 21 | 2 |
| CHARTER | 100 |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

| STATE | 11 | 10 | 29 | 30 | 20 |
| CHARTER | 100 |

**AGE OF WIRED GEAR (%)**

| STATE | 5 | 6 | 28 | 21 | 40 |
| CHARTER | 100 |

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

- STATEWIDE 2017: 0.84
- CHARTER 2017: 1.27
- STATEWIDE 2019: 1.11
- CHARTER 2019: 1.22

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>22</td>
<td>5</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>30</td>
<td>1</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>338</td>
<td>18</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

| STATE | 9 | 21 | 67 | 2 |
| CHARTER | 100 |

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE</td>
<td>1,212</td>
</tr>
<tr>
<td>CHARTER</td>
<td>2,509</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Renaissance Academy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>757</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>56</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.43</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>32</td>
<td>10</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>12</td>
<td>60</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>24</td>
<td>2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>250</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>60</td>
<td>0</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
<th>&lt;1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>900</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
<tr>
<td>145.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Rockwell Charter High School

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 456
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
<td>145</td>
</tr>
<tr>
<td>52</td>
<td>100</td>
<td>152</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
<td>135</td>
</tr>
<tr>
<td>57</td>
<td>100</td>
<td>167</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>6</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
<td>124</td>
</tr>
<tr>
<td>53</td>
<td>100</td>
<td>153</td>
</tr>
<tr>
<td>21</td>
<td>100</td>
<td>121</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
<td>11</td>
</tr>
<tr>
<td>10</td>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>29</td>
<td>100</td>
<td>29</td>
</tr>
<tr>
<td>30</td>
<td>100</td>
<td>30</td>
</tr>
<tr>
<td>20</td>
<td>100</td>
<td>20</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>State</th>
<th>Charter</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>100</td>
<td>6</td>
</tr>
<tr>
<td>28</td>
<td>100</td>
<td>28</td>
</tr>
<tr>
<td>21</td>
<td>100</td>
<td>21</td>
</tr>
<tr>
<td>40</td>
<td>100</td>
<td>40</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>451</td>
</tr>
</tbody>
</table>

**FOR MORE INFORMATION, VISIT** [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Roots Charter High School

DISTRICT FACTS
Area Population: N/A
Enrollment: 197
Number of Schools: 1
Urban or Rural: Urban
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

STATE  
CHARTER

100% (All Rooms Covered)
80% - 99% Covered
60% - 79% Covered
Less than 60% covered (or no Wi-Fi)

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

STATE  
CHARTER

No noticeable slowdowns
Slowdowns occur less than 10% of the time
Slowdowns occur 10% - 20% of the time
Slowdowns occur more than 20% of the time
Other, or no Wi-Fi

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

STATE  
CHARTER

Outside contractor conducted a professional Wi-Fi design
In-house expert conducted a professional Wi-Fi design
Wi-Fi network was not professionally designed
Other network design choice, or no Wi-Fi

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)  
STATE
CHARTER

AGE OF WIRED GEAR (%)  
STATE
CHARTER

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017: 0.84
CHARTER 2017: 0.6
STATEWIDE 2019: 0.57
CHARTER 2019: 0.57

COMPUTING DEVICES USED IN SCHOOLS

Student Use  
Teacher/ Admin Use  
Change in the # of Devices Since 2017  
Percent Change Since 2017

Desktops | Windows OS
0 0 0 N/A
Laptops | Windows OS
0 0 0 N/A
Desktops | Mac
0 20 1 5%
Laptops | Mac
0 0 0 N/A
Chromebooks | Google
110 10 0 0%
Tablets | Windows
0 0 0 N/A
Tablets | Android
0 0 0 N/A
Tablets | IOS
2 1 2 200%

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

STATE
CHARTER

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff
Teachers Per FTE Instructional Tech Support Staff

STATEWIDE
CHARTER
STATEWIDE
CHARTER

2020 Utah School Technology Inventory
For more information, visit www.uen.org/digital-learning
Salt Lake Arts Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 408
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less that 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>56</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff: 1,212
- Teachers Per FTE Instructional Tech Support Staff: 3,952

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**Student Use**

- Desktops | Windows OS: 0
- Laptops | Windows OS: 0
- Desktops | Mac: 25
- Laptops | Mac: 0
- Chromebooks | Google: 400
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | IOS: 25

**Teacher/Admin Use**

- Change in the # of Devices Since 2017
- Percent Change Since 2017

- Desktops | Windows OS: 0
- Laptops | Windows OS: 0
- Desktops | Mac: 25
- Laptops | Mac: 0
- Chromebooks | Google: 400
- Tablets | Windows: 0
- Tablets | Android: 0
- Tablets | IOS: 25

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

2020 Utah School Technology Inventory

For more information, visit www.uen.org/digital-learning
Salt Lake Center For Science Education

**CHARTER FACTS**

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>392</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>397</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>125.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Salt Lake School of Performing Arts

CHARTER FACTS

Area Population  N/A
Enrollment  287
Number of Schools  1
Urban or Rural  Urban
Median Household Income  N/A
Poverty Rate  N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

STATE  |  CHARTER
---|---
45 | 100
52 | 100

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

STATE  |  CHARTER
---|---
35 | 100
57 | 100

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

STATE  |  CHARTER
---|---
24 | 100
53 | 100

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

STATE  |  CHARTER
---|---
11 | 100
10 | 100
29 | 100
30 | 100
20 | 100

AGE OF WIRED GEAR (%)

STATE  |  CHARTER
---|---
5 | 100
6 | 100
28 | 100
21 | 100
40 | 100

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017 | CHARTER 2017 | STATEWIDE 2019 | CHARTER 2019
---|---|---|---
0.84 | 0.6 | 0.56 | 0.6

COMPUTING DEVICES USED IN SCHOOLS

- Desks | Windows OS
- Laptops | Windows OS
- Desktops | Mac
- Laptops | Mac
- Chromebooks | Google
- Tablets | Windows
- Tablets | Android
- Tablets | IOS

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

STATE  |  CHARTER
---|---
9 | 100
21 | 100
67 | 100

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff
Teachers Per FTE Instructional Tech Support Staff

STATEWIDE  |  CHARTER  |  STATEWIDE  |  CHARTER
---|---|---|---
1,212 | 1,000 | 145.3 | 125.0

2020 Utah School Technology Inventory
For more information, visit www.uen.org/digital-learning
Scholar Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 660
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>45</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>52</td>
<td>53</td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>No noticeable slowdowns</td>
<td>35</td>
<td>24</td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td>57</td>
<td>53</td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td>5</td>
<td>21</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>5</td>
<td>2</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>24</td>
<td>100</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td>53</td>
<td>53</td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>11</td>
<td>100</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
<td>100</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>20</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
<td>100</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28</td>
<td>100</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21</td>
<td>100</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td>40</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>62</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>294</td>
<td>15</td>
<td>151</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>30</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>65</td>
<td>30</td>
<td>43</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1 basis (students can take the devices home)</td>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td>1:1 basis (devices cannot be removed from school)</td>
<td>21</td>
<td>2</td>
</tr>
<tr>
<td>Devices on a cart; only available for in-classroom use</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Devices only available for check-out (e.g., from the school library)</td>
<td>57</td>
<td>2</td>
</tr>
<tr>
<td>No school-owned mobile devices; students can use personal devices</td>
<td>67</td>
<td>53</td>
</tr>
<tr>
<td>No mobile device usage</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Technical Support Staff</td>
<td>1,212</td>
<td>727</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
<td>145.3</td>
<td>650.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
## Soldier Hollow Charter School

### Charter Facts
- **Area Population**: N/A
- **Enrollment**: 315
- **Number of Schools**: 1
- **Urban or Rural**: Rural
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

### Wi-Fi Networks
- **Wi-Fi Coverage Reported by Schools (%)**
  - **State**: 45%, 52% (2017-2019)
  - **Charter**
    - 100%
    - 100% (All Rooms Covered)
    - 80% - 99% Covered
    - 60% - 79% Covered
    - Less than 60% covered (or no Wi-Fi)

### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)
- **State**: 35%, 57% (2017-2019)
- **Charter**
  - 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed
- **State**: 24%, 53%, 21% (2017-2019)
- **Charter**
  - 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

### Network Gear in Schools
- **Age of Wireless Gear (%)**
  - **State**: 11%, 10%, 29%, 30%, 20% (2017-2019)
  - **Charter**: 100%
- **Age of Wired Gear (%)**
  - **State**: 5%, 6%, 28%, 21%, 40% (2017-2019)
  - **Charter**: 100%

### Computing Devices Per Student
- **1 Device Per Student**
  - **Statewide 2017**: 0.84
  - **Charter 2017**: 0.71
  - **Statewide 2019**: 1.02
  - **Charter 2019**: 1.02

### Computing Devices Used in Schools
- **Wireless Device Policies at Schools (%)**
  - **State**: 9%, 21%, 67% (2017-2019)
  - **Charter**: 100%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g. from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

### Mobile Deployment
- **Wireless Device Policies at Schools (%)**
  - **State**: 9%, 21%, 67% (2017-2019)
  - **Charter**: 100%
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g. from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools
- **Computing Devices Per FTE Technical Support Staff**
  - **Statewide**: 14,080
  - **Charter**: 1,212
- **Teachers Per FTE Instructional Tech Support Staff**
  - **Statewide**: N/A
  - **Charter**: 145.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Spectrum Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 1,500
- Number of Schools: 5
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>60</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>80</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>20</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**
  - Statewide: 1,212
  - Charter: 2,127

- **Teachers Per FTE Instructional Tech Support Staff**
  - Statewide: 145.3
  - Charter: N/A

2020 Utah School Technology Inventory

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
### St. George Academy

#### CHARTER FACTS
- Area Population: N/A
- Enrollment: 252
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

#### WI-FI NETWORKS

**Wi-Fi Coverage Reported by Schools (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Network Gear in Schools

**Age of Wireless Gear (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**Age of Wired Gear (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Mobile Deployment

**Wireless Device Policies at Schools (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th></th>
<th>Computed Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
<td>4,780</td>
<td>145.3</td>
</tr>
<tr>
<td>CHARTER</td>
<td>1,212</td>
<td>N/A</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Success Academy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>436</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>2</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN Wi-Fi SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTRICT</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>11</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>28</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>21</td>
</tr>
</tbody>
</table>

Age of Wired Gear (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>5</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>6</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>28</td>
</tr>
<tr>
<td>3 Years Old</td>
<td>21</td>
</tr>
<tr>
<td>4+ Years Old</td>
<td>40</td>
</tr>
</tbody>
</table>

Computing Devices Per Student

1 Device Per Student

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>N/A</td>
<td>1.11</td>
<td>1.05</td>
</tr>
</tbody>
</table>

Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>24</td>
<td>28</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>63</td>
<td>2</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>370</td>
<td>24</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Mobile Deployment

Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

Computing Devices Per FTE Technical Support Staff

Statewide: 2,960
Charter: 1,212

Teachers Per FTE Instructional Tech Support Staff

Statewide: 145.3
Charter: 220.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Summit Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 2,944
- Number of Schools: 5
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less that 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>4,476</td>
</tr>
</tbody>
</table>

**Teachers Per FTE Instructional Tech Support Staff**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,112.0</td>
<td>145.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Syracuse Arts Academy (K-6)

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 1,775
- Number of Schools: 2
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

- **STATE**: 45% 52% 2
- **CHARTER**: 100%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

- **STATE**: 35% 57% 5
- **CHARTER**: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

- **STATE**: 24% 53% 21
- **CHARTER**: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- **STATE**: 11% 10% 29% 30% 20
- **CHARTER**: 50%

**AGE OF WIRED GEAR (%)**

- **STATE**: 5% 6% 28% 21% 40
- **CHARTER**: 100%

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**COMPUTING DEVICES PER STUDENT**

- **1 DEVICE PER STUDENT**
  - STATEWIDE 2017: 0.84
  - CHARTER 2017: 0.79
  - STATEWIDE 2019: 1.11
  - CHARTER 2019: 1.32

**COMPUTING DEVICES USED IN SCHOOLS**

- **Student Use**:
  - Desktops | Windows OS: 480
  - Laptops | Windows OS: 0
  - Desktops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 1,212
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 652
- **Teacher/Admin Use**:
  - Desktops | Windows OS: 0
  - Laptops | Windows OS: 93
  - Desktops | Mac: 0
  - Laptops | Mac: 0
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 90
- **Change in the # of Devices Since 2017**:
  - Desktops | Windows OS: -32
  - Laptops | Windows OS: -387
  - Desktops | Mac: -4
  - Laptops | Mac: 0
  - Chromebooks | Google: 1,212
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | IOS: 112

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

- **STATE**: 9% 21% 67% 2
- **CHARTER**: 50% 50% 2
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g. from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

2020 Utah School Technology Inventory

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Terra Academy

CHARTER FACTS

Area Population: N/A
Enrollment: 631
Number of Schools: 1
Urban or Rural: Rural
Median Household Income: N/A
Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

STATEWIDE 2017 | CHARTER 2017 | STATEWIDE 2019 | CHARTER 2019

1.16 | 1.11 | 0.99 | 0.84

COMPUTING DEVICES USED IN SCHOOLS

Student Use | Teacher/ Admin Use | Change in the # of Devices Since 2017 | Percent Change Since 2017

Desks | Windows OS | 6 | 6 | -18 | -60%
Laptops | Windows OS | 0 | 56 | 26 | 87%
Desks | Mac | 0 | 0 | 0 | N/A
Laptops | Mac | 0 | 0 | 0 | N/A
Chromebooks | Google | 725 | 3 | 107 | 17%
Tablets | Windows | 0 | 0 | 0 | N/A
Tablets | Android | 0 | 0 | 0 | N/A
Tablets | IOS | 0 | 2 | 2 | N/A

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,451</td>
</tr>
</tbody>
</table>

Teachers Per FTE Instructional Tech Support Staff

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,200.0</td>
<td>145</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning

2020 Utah School Technology Inventory
### The Early Light Academy at Daybreak

#### Charter Facts
- **Area Population**: N/A
- **Enrollment**: 1,006
- **Number of Schools**: 1
- **Urban or Rural**: Rural
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

#### Wi-Fi Networks
- **Wi-Fi Coverage Reported by Schools (%)**
  - **State**: 45% (52) 1
  - **Charter**: 100% (N/A) 1

#### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)
- **State**: 35% (57) 1
- **Charter**: 100% (N/A) 1

#### How School Wi-Fi Networks Were Designed
- **State**: 24% (53) 2
- **District**: 100% (N/A) 2

#### Network Gear in Schools
- **Age of Wireless Gear (%)**
  - **State**: 11% (10) 2
  - **Charter**: 100% (N/A) 2
- **Age of Wired Gear (%)**
  - **State**: 6% (28) 1
  - **Charter**: 100% (N/A) 1

#### Computing Devices Used in Schools
- **Student Use**
  - Desktops | Windows OS: 20
  - Laptops | Windows OS: 30
  - Desktops | Mac: 0
  - Laptops | Mac: 40
  - Chromebooks | Google: 620
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 300
- **Teacher/Admin Use**
  - Desktops | Windows OS: 1
  - Laptops | Windows OS: 2
  - Desktops | Mac: 0
  - Laptops | Mac: 60
  - Chromebooks | Google: 15
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 50

#### Computing Devices Per Student
- **1 Device Per Student**
  - Statewide 2017: 0.84
  - Charter 2017: 1.01
  - Statewide 2019: 1.11
  - Charter 2019: 1

#### Mobile Deployment
- **Wireless Device Policies at Schools (%)**
  - **State**: 9% (21) 2
  - **Charter**: 100% (N/A) 2

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools
- **Computing Devices Per FTE Technical Support Staff**
  - **Statewide**: 1,212
  - **Charter**: 1,173
- **Teachers Per FTE Instructional Tech Support Staff**
  - **Statewide**: 145.3
  - **Charter**: 260.0

---

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
The Ranches Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 365
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

- **WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
  - STATE: 45% 52% 2%
  - CHARTER: 100%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 60% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

- **SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
  - STATE: 35% 57% 5%
  - CHARTER: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

- **HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
  - STATE: 24% 53% 21%
  - DISTRICT: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

- **AGE OF WIRELESS GEAR (%)**
  - STATE: 11% 10% 29% 30% 20%
  - CHARTER: 100%
- **AGE OF WIRED GEAR (%)**
  - STATE: 5% 6% 28% 21% 40%
  - CHARTER: 100%

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Computing Devices Per FTE</th>
<th>Teachers Per FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Technical Support Staff</td>
<td>Instructional Tech Support Staff</td>
</tr>
<tr>
<td>STATE</td>
<td>4,120</td>
<td>145.3</td>
</tr>
<tr>
<td>CHARTER</td>
<td>1,212</td>
<td>1,280.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Thomas Edison Charter School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 1,145
- Number of Schools: 2
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>50</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desks</td>
<td>Windows OS</td>
<td>136</td>
<td>70</td>
<td>6</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>10</td>
<td>45</td>
<td>-30</td>
</tr>
<tr>
<td>Desks</td>
<td>Mac</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>1,200</td>
<td>0</td>
<td>-300</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>-70</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>10</td>
<td>7</td>
<td>4</td>
</tr>
</tbody>
</table>

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>50</td>
</tr>
</tbody>
</table>

1:1 basis (students can take the devices home)
1:1 basis (devices cannot be removed from school)
Devices on a cart; only available for in-classroom use
Devices only available for check-out (e.g. from the school library)
No school-owned mobile devices; students can use personal devices
No mobile device usage

**MOBILE DEPLOYMENT**

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>4,240</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
<tr>
<td>145.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Timpanogos Academy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>509</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

<table>
<thead>
<tr>
<th>STATE</th>
<th>24</th>
<th>53</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AGE OF WIRED GEAR (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>DEVICES</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>40</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>30</td>
<td>45</td>
<td>35</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>1,024</td>
</tr>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Treeside Charter School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 461
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Time Equivalent (FTE)</td>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>More than 20%</td>
<td>2%</td>
<td>1%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>By In-House Expert</td>
<td>53%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1 Yr. Old</td>
<td>11%</td>
<td>100%</td>
</tr>
<tr>
<td>1 Year Old</td>
<td>10%</td>
<td>0%</td>
</tr>
<tr>
<td>2 Years Old</td>
<td>29%</td>
<td>30%</td>
</tr>
<tr>
<td>3+ Years Old</td>
<td>21%</td>
<td>20%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

- Statewide: 9,320
- Charter: 1,212

**Teachers Per FTE Instructional Tech Support Staff**

- Statewide: 145.3
- Charter: 280.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Tuacahn High School for The Performing Arts

**CHARTER FACTS**

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>398</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Rural</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>45</th>
<th>52</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>35</th>
<th>57</th>
<th>5</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

How school Wi-Fi Networks were designed:

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.44</td>
<td>0.72</td>
<td></td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>42</td>
<td>8</td>
<td>-17</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>28</td>
<td>0</td>
<td>-10</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>9</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>200</td>
<td>0</td>
<td>118</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
<td>8</td>
<td>1</td>
<td>-21</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
<th>&lt;1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTER</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE</td>
<td>1,212</td>
<td>517</td>
</tr>
<tr>
<td>CHARTER</td>
<td>145.3</td>
<td>1,160.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Uintah River High School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 75
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.83</td>
<td>1.11</td>
<td>1.64</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>32</td>
<td>11</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>76</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>15</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- Computing Devices Per FTE Technical Support Staff
- Teachers Per FTE Instructional Tech Support Staff

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
## Utah Career Path High School

### Charter Facts
- **Area Population**: N/A
- **Enrollment**: 171
- **Number of Schools**: 1
- **Urban or Rural**: Rural
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

### Wi-Fi Networks

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>100</td>
<td>45</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered (or no Wi-Fi)</td>
<td></td>
<td>52</td>
</tr>
</tbody>
</table>

### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>Declines in Wi-Fi Service Speeds</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>No noticeable slowdowns</td>
<td>100</td>
<td>35</td>
</tr>
<tr>
<td>Slowdowns occur less than 10% of the time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur 10% - 20% of the time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slowdowns occur more than 20% of the time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td></td>
<td>56</td>
</tr>
</tbody>
</table>

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>How School Wi-Fi Networks Were Designed</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside contractor conducted a professional Wi-Fi design</td>
<td>100</td>
<td>53</td>
</tr>
<tr>
<td>In-house expert conducted a professional Wi-Fi design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wi-Fi network was not professionally designed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other network design choice, or no Wi-Fi</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

### Network Gear in Schools

#### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th>Age of Wireless Gear</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>100</td>
<td>56</td>
</tr>
<tr>
<td>1 Year Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Years Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4+ Years Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

#### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th>Age of Wired Gear</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 1 Yr. Old</td>
<td>100</td>
<td>56</td>
</tr>
<tr>
<td>1 Year Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Years Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Years Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4+ Years Old</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, or no Wi-Fi</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Technical Support Staff</th>
<th>Charter</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE</td>
<td>1,212</td>
<td>1,280</td>
</tr>
<tr>
<td>Teachers Per FTE</td>
<td>145.3</td>
<td>200.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Utah County Academy of Sciences

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 607
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
- **STATE**: 45 / 52 / 2 / 1
- **CHARTER**: 100
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - 40% - 79% Covered
  - Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
- **STATE**: 35 / 57 / 5 / 1
- **CHARTER**: 100
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
- **STATE**: 24 / 53 / 21 / 2
- **CHARTER**: 100
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**
- **STATE**: 11 / 10 / 29 / 30 / 20
- **CHARTER**: 100

**AGE OF WIRED GEAR (%)**
- **STATE**: 5 / 6 / 28 / 21 / 40
- **CHARTER**: 100

**COMPUTING DEVICES PER STUDENT**

**1 DEVICE PER STUDENT**
- STATEWIDE 2017: 0.84
- CHARTER 2017: 0.53
- STATEWIDE 2019: 1.11
- CHARTER 2019: 1.14

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>90</td>
<td>27</td>
<td>42</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>600</td>
<td>0</td>
<td>450</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**
- **STATE**: 9 / 21 / 67 / <1
- **CHARTER**: 100
  - 1:1 basis (students can take the devices home)
  - 1:1 basis (devices cannot be removed from school)
  - Devices on a cart; only available for in-classroom use
  - Devices only available for check-out (e.g. from the school library)
  - No school-owned mobile devices; students can use personal devices
  - No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Computing Devices Per FTE</th>
<th>Teachers Per FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE</strong></td>
<td>1,212</td>
<td>145.3</td>
</tr>
<tr>
<td><strong>CHARTER</strong></td>
<td>1,440</td>
<td>108.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
## Utah International Charter School

### Charter Facts
- Area Population: N/A
- Enrollment: 230
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

### Wi-Fi Networks

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

### Schools Experiencing Declines in Wi-Fi Service Speeds during Schooltime (%)

| STATE | 35 | 57 | 5 |
| CHARTER | 100 |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed

| CHARTER | 100 |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Network Gear in Schools

#### Age of Wireless Gear (%)

| STATE | 11 | 10 | 29 | 30 | 20 |
| CHARTER | 100 |

#### Age of Wired Gear (%)

| STATE | 5 | 6 | 28 | 21 | 40 |
| CHARTER | 100 |

### Computing Devices Per Student

#### 1 Device Per Student

<table>
<thead>
<tr>
<th>STATEWIDE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.13</td>
<td>0.96</td>
<td>1.11</td>
</tr>
</tbody>
</table>

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>State Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>20</td>
<td>5</td>
<td>-5</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>200</td>
<td>3</td>
<td>-47</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mobile Deployment

#### Wireless Device Policies at Schools (%)

| CHARTER | 9 | 21 | 67 | 2 |
| STATE | 1 |

| CHARTER |
| 100 |

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

| CHARTER |
| 360.0 |

- Computing Devices Per FTE Technical Support Staff
- Teachers Per FTE Instructional Tech Support Staff

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Utah Military Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 1,058
- Number of Schools: 2
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

- **STATE**: 45% 52% 2% 1%
- **CHARTER**: 100%

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

- **STATE**: 35% 57% 5% 1%
- **CHARTER**: 100%

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

- **STATE**: 24% 21% 2%
- **CHARTER**: 100%

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- **STATE**: 0% 10% 29% 30% 20%
- **CHARTER**: 50%

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE**: 1,212, 4,262
- **Teachers Per FTE**: 145.3, 348.0

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Utah School for the Deaf and the Blind

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 297
- Number of Schools: 7
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>72</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>86</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>72</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>86</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>14</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>STATE 2017</th>
<th>CHARTER 2017</th>
<th>STATEWIDE 2019</th>
<th>CHARTER 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>1.51</td>
<td>1.11</td>
<td>1.74</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>95</td>
<td>-8</td>
<td>-3%</td>
</tr>
<tr>
<td>54</td>
<td>150</td>
<td>39</td>
<td>24%</td>
</tr>
<tr>
<td>5</td>
<td>16</td>
<td>5</td>
<td>31%</td>
</tr>
<tr>
<td>0</td>
<td>114</td>
<td>37</td>
<td>48%</td>
</tr>
<tr>
<td>71</td>
<td>9</td>
<td>30</td>
<td>60%</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>-4</td>
<td>-100%</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
<td>-5</td>
<td>-50%</td>
</tr>
<tr>
<td>226</td>
<td>213</td>
<td>-115</td>
<td>-21%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>1</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>145.3</td>
</tr>
<tr>
<td>222</td>
<td>64.0</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Valley Academy

CHARTER FACTS

<table>
<thead>
<tr>
<th>Area Population</th>
<th></th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>446</td>
<td></td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Rural</td>
<td></td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 73% Covered
- Less than 60% covered (or no Wi-Fi)

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

| STATE | 35 | 57 | 5 |
| CHARTER | 100 |     |   |

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

| STATE | 24 | 21 | 2 |
| CHARTER | 100 |     |   |

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

NETWORK GEAR IN SCHOOLS

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
</tr>
<tr>
<td>CHARTER</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr.Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

<table>
<thead>
<tr>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing Devices Per FTE Technical Support Staff</td>
</tr>
<tr>
<td>Teachers Per FTE Instructional Tech Support Staff</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
## Vanguard Academy

### Charter Facts

- **Area Population**: N/A
- **Enrollment**: 468
- **Number of Schools**: 1
- **Urban or Rural**: Urban
- **Median Household Income**: N/A
- **Poverty Rate**: N/A

### Wi-Fi Networks

#### Wi-Fi Coverage Reported by Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>45</th>
<th>52</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charter</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>State</th>
<th>35</th>
<th>57</th>
<th>5</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charter</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
- Other, or no Wi-Fi

### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>State</th>
<th>24</th>
<th>53</th>
<th>21</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charter</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

### Network Gear in Schools

#### Age of Wireless Gear (%)

<table>
<thead>
<tr>
<th>State</th>
<th>11</th>
<th>10</th>
<th>29</th>
<th>30</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charter</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Age of Wired Gear (%)

<table>
<thead>
<tr>
<th>State</th>
<th>5</th>
<th>6</th>
<th>28</th>
<th>21</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charter</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mobile Deployment

#### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>State</th>
<th>9</th>
<th>21</th>
<th>67</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charter</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g., from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

### Computing Devices Per Student

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/ Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>60</td>
<td>8</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>94</td>
<td>42</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>60</td>
<td>2</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>500</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>60</td>
<td>3</td>
</tr>
</tbody>
</table>

### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

- Computing Devices Per FTE Technical Support Staff: 1,212 Statewide, 1,579 Charter
- Teachers Per FTE Instructional Tech Support Staff: 145.3 Statewide, N/A Charter

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Venture Academy

CHARTER FACTS

- Area Population: N/A
- Enrollment: 792
- Number of Schools: 2
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

WI-FI NETWORKS

WI-FI COVERAGE REPORTED BY SCHOOLS (%)

- STATE: N/A
- CHARTER: 100%
  - 100% (All Rooms Covered)
  - 80% - 99% Covered
  - Less than 60% covered (or no Wi-Fi)

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

- STATE: N/A
- CHARTER: 100%
  - No noticeable slowdowns
  - Slowdowns occur less than 10% of the time
  - Slowdowns occur 10% - 20% of the time
  - Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

- STATE: N/A
- CHARTER: 100%
  - Outside contractor conducted a professional Wi-Fi design
  - In-house expert conducted a professional Wi-Fi design
  - Wi-Fi network was not professionally designed
  - Other network design choice, or no Wi-Fi

NETWORK GEAR IN SCHOOLS

AGE OF WIRELESS GEAR (%)

- STATE: N/A
- CHARTER: 50%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

AGE OF WIRED GEAR (%)

- STATE: N/A
- CHARTER: 50%
  - Less Than 1 Yr.Old
  - 1 Year Old
  - 2 Years Old
  - 3 Years Old
  - 4+ Years Old
  - Other, or no Wi-Fi

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

- Computing Devices Per FTE Technical Support Staff:
  - STATEWIDE: N/A
  - CHARTER: 1,212

- Teachers Per FTE Instructional Tech Support Staff:
  - STATEWIDE: N/A
  - CHARTER: 953

2020 Utah School Technology Inventory

For more information, visit www.uen.org/digital-learning
Vista At Entrada School of Performing Arts & Technology

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 935
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
- **STATE**: 45\(^{\text{2}}\) - 52\(^{\text{1}}\)
- **CHARTER**: 100\(^{\text{2}}\)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
- **STATE**: 35\(^{\text{2}}\) - 57\(^{\text{1}}\)
- **CHARTER**: 100\(^{\text{2}}\)

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
- **STATE**: 24\(^{\text{2}}\) - 53\(^{\text{1}}\) - 21
- **CHARTER**: 100\(^{\text{2}}\)

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**
- **STATE**: 11\(^{\text{2}}\) - 30\(^{\text{1}}\) - 29\(^{\text{1}}\) - 10\(^{\text{1}}\)
- **CHARTER**: 100\(^{\text{2}}\)

**AGE OF WIRED GEAR (%)**
- **STATE**: 5\(^{\text{2}}\) - 28\(^{\text{1}}\) - 21\(^{\text{1}}\) - 40\(^{\text{1}}\)
- **CHARTER**: 100\(^{\text{2}}\)

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

<table>
<thead>
<tr>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.84</td>
<td>0.9</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>30</td>
<td>4</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>60</td>
<td>9</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>30</td>
<td>75</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>1,028</td>
<td>10</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>86</td>
<td>10</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

| STATE | 9 | 21 | 67 | 2 | <1 |
| CHARTER | 100 |

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 1,212</td>
<td>CHARTER 718</td>
</tr>
<tr>
<td>STATEWIDE 145.3</td>
<td>CHARTER 36.0</td>
</tr>
</tbody>
</table>

For more information, visit www.uen.org/digital-learning
Voyage Academy

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 532
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th></th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

<table>
<thead>
<tr>
<th></th>
<th>STATEWIDE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desks</td>
<td>1,212</td>
<td>220</td>
</tr>
<tr>
<td>Laptops</td>
<td>145.3</td>
<td>47.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Walden School of Liberal Arts

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 448
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

**Computing Devices Per FTE Technical Support Staff**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>2,255</td>
</tr>
</tbody>
</table>

**Teachers Per FTE Instructional Tech Support Staff**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.3</td>
<td>212.0</td>
</tr>
</tbody>
</table>
### Wallace Stegner Academy

#### Charter Facts

- Area Population: N/A
- Enrollment: 700
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

#### Wi-Fi Networks

<table>
<thead>
<tr>
<th>Wi-Fi Coverage Reported by Schools (%)</th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% (All Rooms Covered)</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>80% - 99% Covered</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>60% - 79% Covered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 60% covered and no Wi-Fi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Schools Experiencing Declines in Wi-Fi Service Speeds During Schooltime (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>57</td>
<td>100</td>
</tr>
</tbody>
</table>

#### How School Wi-Fi Networks Were Designed

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Network Gear in Schools

<table>
<thead>
<tr>
<th>Age of Wireless Gear (%)</th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>30</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age of Wired Gear (%)</th>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>40</td>
<td>100</td>
</tr>
</tbody>
</table>

### Computing Devices Per Student

- **1 Device Per Student**
  - **100% (All Rooms Covered)**
  - **80% - 99% Covered**
  - **60% - 79% Covered**
  - **Less than 60% covered (or no Wi-Fi)**

### Computing Devices Used in Schools

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>450</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
</tr>
</tbody>
</table>

### Mobile Deployment

#### Wireless Device Policies at Schools (%)

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>67</td>
<td>100</td>
</tr>
</tbody>
</table>

#### Full-Time Equivalent (FTE) Technical Support Staff in Utah Schools

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,080</td>
<td>2,080.0</td>
</tr>
</tbody>
</table>

2020 Utah School Technology Inventory

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Wasatch Peak Academy

**CHARTER FACTS**

<table>
<thead>
<tr>
<th>Area Population</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>428</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Urban</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>100</td>
</tr>
</tbody>
</table>

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES PER STUDENT**

1 DEVICE PER STUDENT

- **STATEWIDE 2017**: 0.84
- **CHARTER 2017**: 0.48
- **STATEWIDE 2019**: 0.89
- **CHARTER 2019**: 1.11

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>6</td>
<td>1</td>
<td>-23</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>45</td>
<td>-80</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>307</td>
<td>0</td>
<td>247</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>-4</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>70</td>
<td>29</td>
<td>75</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,664</td>
<td>533.3</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Wasatch Waldorf Charter School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 652
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>100</td>
</tr>
</tbody>
</table>

- 100% (All Rooms Covered)
- 80% - 99% Covered
- 60% - 79% Covered
- Less than 60% covered (or no Wi-Fi)

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>100</td>
</tr>
</tbody>
</table>

- No noticeable slowdowns
- Slowdowns occur less than 10% of the time
- Slowdowns occur 10% - 20% of the time
- Slowdowns occur more than 20% of the time
  - Other, or no Wi-Fi

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

- Outside contractor conducted a professional Wi-Fi design
- In-house expert conducted a professional Wi-Fi design
- Wi-Fi network was not professionally designed
- Other network design choice, or no Wi-Fi

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>100</td>
</tr>
</tbody>
</table>

- Less Than 1 Yr. Old
- 1 Year Old
- 2 Years Old
- 3 Years Old
- 4+ Years Old
- Other, or no Wi-Fi

**AGE OF WIRED GEAR (%)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>CHARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

**COMPUTING DEVICES PER STUDENT**

<table>
<thead>
<tr>
<th>1 DEVICE PER STUDENT</th>
<th>1.11</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE 2017</td>
<td>0.84</td>
</tr>
<tr>
<td>CHARTER 2017</td>
<td>0.15</td>
</tr>
<tr>
<td>STATEWIDE 2019</td>
<td>0.25</td>
</tr>
<tr>
<td>CHARTER 2019</td>
<td>0.15</td>
</tr>
</tbody>
</table>

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th></th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESKTOPS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>LAPTOPS</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>DESKTOPS</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>LAPTOPS</td>
<td>0</td>
<td>26</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>CHROMEBOOKS</td>
<td>153</td>
<td>0</td>
<td>83</td>
<td>119%</td>
</tr>
<tr>
<td>TABLETS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>TABLETS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>TABLETS</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

<table>
<thead>
<tr>
<th></th>
<th>21</th>
<th>67</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHARTER</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1:1 basis (students can take the devices home)
- 1:1 basis (devices cannot be removed from school)
- Devices on a cart; only available for in-classroom use
- Devices only available for check-out (e.g. from the school library)
- No school-owned mobile devices; students can use personal devices
- No mobile device usage

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices Per FTE Technical Support Staff</th>
<th>Teachers Per FTE Instructional Tech Support Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,212</td>
<td>753</td>
</tr>
</tbody>
</table>

- STATEWIDE
- CHARTER

<table>
<thead>
<tr>
<th>145.3</th>
<th>4,160.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATEWIDE</td>
<td>CHARTER</td>
</tr>
</tbody>
</table>

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Weber State University Charter Academy

**CHARTER FACTS**
- Area Population: N/A
- Enrollment: 33
- Number of Schools: 1
- Urban or Rural: Urban
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**
- **WI-FI COVERAGE REPORTED BY SCHOOLS (%)**
  - State: 45% (N/A), 52% (N/A), 1% (N/A)
  - Charter: 100% (100%)
- **SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
  - State: 35% (N/A), 57% (N/A), 5% (N/A)
  - Charter: 100% (N/A)
- **HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**
  - State: 24% (N/A), 53% (N/A), 21% (N/A)
  - Charter: 100% (100%)

**COMPUTING DEVICES PER STUDENT**
- **1 DEVICE PER STUDENT**
  - Statewide 2017: 0.84 FTE
  - Charter 2017: 0.61 FTE
  - Statewide 2019: 0.85 FTE
  - Charter 2019: 0.85 FTE

**COMPUTING DEVICES USED IN SCHOOLS**
- **Student Use**
  - Desktops | Windows OS: 0
  - Laptops | Windows OS: 0
  - Desktops | Mac: 1
  - Laptops | Mac: 1
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 26
- **Teacher/Admin Use**
  - Desktops | Windows OS: 1
  - Laptops | Windows OS: 0
  - Desktops | Mac: 2
  - Laptops | Mac: 2
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 3
  - Tablets | iOS: 2
- **Change in the # of Devices Since 2017**
  - Desktops | Windows OS: 1
  - Laptops | Windows OS: 0
  - Desktops | Mac: 1
  - Laptops | Mac: 1
  - Chromebooks | Google: 0
  - Tablets | Windows: 0
  - Tablets | Android: 0
  - Tablets | iOS: 26
- **Percent Change Since 2017**
  - Desktops | Windows OS: N/A
  - Laptops | Windows OS: N/A
  - Desktops | Mac: 50%
  - Laptops | Mac: 33%
  - Chromebooks | Google: N/A
  - Tablets | Windows: 0%
  - Tablets | Android: 0%
  - Tablets | iOS: 35%

**MOBILE DEPLOYMENT**
- **WIRELESS DEVICE POLICIES AT SCHOOLS (%)**
  - State: 9% (9%), 21% (21%), 67% (67%)
  - Charter: 100% (100%)
- **SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**
  - State: 24% (24%), 100% (100%), 53% (53%)
  - Charter: 2% (2%), 1% (1%)

**NETWORK GEAR IN SCHOOLS**
- **AGE OF WIRELESS GEAR (%)**
  - State: 11% (11%), 10% (10%), 29% (29%), 30% (30%), 20% (20%)
  - Charter: 100% (100%)
- **AGE OF WIRED GEAR (%)**
  - State: 5% (5%), 6% (6%), 28% (28%), 21% (21%), 40% (40%)
  - Charter: 100% (100%)

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**
- **Computing Devices Per FTE**
  - Statewide: 1,212
  - Charter: 1,360
  - **Teacher/Instructor Tech Support Staff Per FTE**
  - Statewide: 145.3
  - Charter: N/A

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Weilenmann School of Discovery

CHARTER FACTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area Population</td>
<td>N/A</td>
</tr>
<tr>
<td>Enrollment</td>
<td>563</td>
</tr>
<tr>
<td>Number of Schools</td>
<td>1</td>
</tr>
<tr>
<td>Urban or Rural</td>
<td>Rural</td>
</tr>
<tr>
<td>Median Household Income</td>
<td>N/A</td>
</tr>
<tr>
<td>Poverty Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

WI-FI NETWORKS

<table>
<thead>
<tr>
<th>WI-FI COVERAGE REPORTED BY SCHOOLS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE 45</td>
</tr>
<tr>
<td>CHARTER 100</td>
</tr>
</tbody>
</table>

SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)

| STATE 35                              |
| CHARTER 100                           |

HOW SCHOOL WI-FI NETWORKS WERE DESIGNED

| STATE 24                              |
| CHARTER 100                           |

NETWORK GEAR IN SCHOOLS

<table>
<thead>
<tr>
<th>AGE OF WIRELESS GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE 11</td>
</tr>
<tr>
<td>CHARTER 100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE OF WIRED GEAR (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE 5</td>
</tr>
<tr>
<td>CHARTER 100</td>
</tr>
</tbody>
</table>

COMPUTING DEVICES PER STUDENT

1 DEVICE PER STUDENT

| STATE 0.84               |
| CHARTER 0.78            |
| STATEWIDE 2019 0.97     |
| CHARTER 2019 1.11       |

COMPUTING DEVICES USED IN SCHOOLS

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
</tr>
<tr>
<td>Tablets</td>
<td>iOS</td>
</tr>
</tbody>
</table>

MOBILE DEPLOYMENT

WIRELESS DEVICE POLICIES AT SCHOOLS (%)

| STATE 9 21 67 |
| CHARTER 100 |

FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS

Computing Devices Per FTE Technical Support Staff

| STATEWIDE 1,212 |
| CHARTER 601 |

Teachers Per FTE Instructional Tech Support Staff

| STATEWIDE 145.3 |
| CHARTER 172.3 |

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Winter Sports School

**CHARTER FACTS**

- Area Population: N/A
- Enrollment: 114
- Number of Schools: 1
- Urban or Rural: Rural
- Median Household Income: N/A
- Poverty Rate: N/A

**WI-FI NETWORKS**

**WI-FI COVERAGE REPORTED BY SCHOOLS (%)**

- **STATE**: 45\% (All Rooms Covered)
- **CHARTER**: 100\%

**SCHOOLS EXPERIENCING DECLINES IN WI-FI SERVICE SPEEDS DURING SCHOOLTIME (%)**

- **STATE**: 2\% (Less than 60\% covered or no Wi-Fi)
- **CHARTER**: 2\%

**HOW SCHOOL WI-FI NETWORKS WERE DESIGNED**

- **STATE**: 24\% (Outside contractor conducted a professional Wi-Fi design)
- **CHARTER**: 100\%

**NETWORK GEAR IN SCHOOLS**

**AGE OF WIRELESS GEAR (%)**

- **STATE**: 11\% Less Than 1 Yr. Old, 10\% 1 Year Old, 29\% 2 Years Old, 30\% 3 Years Old, 20\% 4+ Years Old
- **CHARTER**: 100\%

**AGE OF WIRED GEAR (%)**

- **STATE**: 6\% Less Than 1 Yr. Old, 6\% 1 Year Old, 28\% 2 Years Old, 21\% 3 Years Old, 40\% 4+ Years Old
- **CHARTER**: 100\%

**COMPUTING DEVICES PER STUDENT**

- **1 DEVICE PER STUDENT**: 0.84
- **STATEWIDE 2017**: 0.26
- **CHARTER 2017**: 0.29

**COMPUTING DEVICES USED IN SCHOOLS**

<table>
<thead>
<tr>
<th>Computing Devices</th>
<th>Student Use</th>
<th>Teacher/Admin Use</th>
<th>Change in the # of Devices Since 2017</th>
<th>Percent Change Since 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>Windows OS</td>
<td>0</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Windows OS</td>
<td>0</td>
<td>2</td>
<td>-3</td>
</tr>
<tr>
<td>Desktops</td>
<td>Mac</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Laptops</td>
<td>Mac</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chromebooks</td>
<td>Google</td>
<td>33</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Tablets</td>
<td>Windows</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>Android</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tablets</td>
<td>IOS</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**MOBILE DEPLOYMENT**

**WIRELESS DEVICE POLICIES AT SCHOOLS (%)**

- **STATE**: 9\% (1:1 basis (students can take the devices home)), 21\% (1:1 basis (devices cannot be removed from school)), 67\% (Devices on a cart; only available for in-classroom use), 2\% (Devices only available for check-out (e.g. from the school library)), 1\% (No school-owned mobile devices; students can use personal devices), 1\% (No mobile device usage)

**FULL-TIME EQUIVALENT (FTE) TECHNICAL SUPPORT STAFF IN UTAH SCHOOLS**

- **Computing Devices Per FTE Technical Support Staff**: 1,212
- **Teachers Per FTE Instructional Tech Support Staff**: 145.3

For more information, visit [www.uen.org/digital-learning](http://www.uen.org/digital-learning)
Appendix G:
News and Notables
THE CHANGING CLASSROOM IN UTAH: WHY DIGITAL TEACHING MATTERS

“I THINK LEARNING IS NOT JUST ON THE CAMPUS ANYMORE, BUT IT’S EVERYWHERE THE STUDENT GOES.”

by Jessica Denson, Communications Director
Connected Nation

Beaver, UT (November 5, 2019) – David Long, Superintendent of Beaver County Schools, remembers clearly the moment he realized just how powerful a tool technology could be for student learning.

“I was working at Logan County School District as the Director of Education and Technical Service, and it was the first day we gave out laptops to students,” he said. “I was heading home late and stopped at McDonald’s to grab something to eat. There sat a Logan High student on break with his
dinner and his laptop out—and he was doing homework. He looked completely enthralled and engaged in learning. I knew then that if I did nothing else with my career, at least I helped this kid get the access he needed, and I call that a success.”

He hasn’t stopped there. Over his more than 20-year career, Superintendent Long has worked to bring technology to thousands of students. Beaver County School District recently went 1-to-1 with Chromebooks—meaning there is one device for every student.

“The access students now have to information is incredible. There are massive databases and information systems that are global in scale,” he said. “Teachers are still the key to each student’s success, but these devices empower instruction at an incredibly personal and individualized level.”

Long has only been with Beaver County School District for about six months, but he’s got big plans for expanding access.

**From Traditional to Technological**

Beaver County sits in the southwest corner of Utah. It’s mostly rural and offers a combination of small-town life and industries that are agriculture- and alternative energy-centric. Smithfield Farms and Union Pacific Railroad are two of the area’s largest employers. There are also some newly developed wind and solar farms and a geothermal plant.

Reagan Williams grew up in Beaver County and now calls some of his one-time teachers colleagues. He teaches third-grade math at Belknap Elementary School and says the schools are at the center of everything.

“Everybody goes to the football games, attends plays at the high school, and takes part in the dances. It’s very much a small-town feel. It’s a traditional feeling,” Williams said. “I remember when I was in school, my teachers would stand at a chalkboard and all of us would have to copy everything down. Now, tech has changed things so much in the classroom, making it possible for students to be self-motivated and self-paced. I can also move among the students constantly rather than stand with my back to them.”
Every year, he teaches around 75 to 80 students. Virtually all third graders finish math lessons before the school year ends, but 30 to 40 percent move on to also finish the fourth-grade math program—that’s where Chromebooks can help.

“With these devices, I can move them onto fourth-grade studies; others go even further,” Williams said. “At the same time, it allows me to immediately see who is struggling and give them the extra support they need—so every student is truly learning at his or her own level.”

The technology is being applied to every subject taught within Beaver County Schools right now—even those that may not be in the typical classroom setting. Milford High School teacher Ryan Fisher teaches Career and Technical Education (CTE) Classes such as welding and woodshop. His students use the Chromebooks to learn new techniques and watch tutorials they can then mimic.

Fisher also teaches social studies and says the technology makes it possible for students to easily annotate documents, do research, create digital timelines, and go on virtual fieldtrips around the world.

“One of the biggest challenges for every teacher is how to help advanced learners, because there are not enough resources available for them,” Fisher said. “Technology has made it possible to go deeper with their education and access programs and resources to allow them to continue learning. On the other end of the spectrum, you can intervene with a student struggling faster than ever before. We use Canvas, and I can look at the grades as they pop up and help a student immediately understand what went wrong and adjust my instruction.”

Without the technology, Williams says, students in Beaver County would simply be left behind.

“If we didn’t have the access, we wouldn’t meet our goals,” he said. “But because we do have access, our school is outperforming the state average for students.”
Both Williams and Fisher attribute the success the district is seeing to the training offered to each teacher. Every instructor takes lessons and can take ongoing education on how to more effectively use the technology in the classroom. Part of that includes striking the right balance between hands-on instruction and computer-based learning.

“We’re constantly looking ahead and asking ‘how can we make better use of the technology,’” said Williams. “But little kids aren’t robots. The teacher will always need to take part in facilitating and instructing and guiding his or her students.”

**Taking Stock of School Technology**

The Utah Education and Telehealth Network (UETN), in partnership with the nonprofit Connected Nation, is in the midst of doing an inventory of technology within Utah’s public and charter schools.

“UETN has really been the backbone for helping expand technology in the schools, including the actual infrastructure in a lot of our districts,” Fisher said. “It’s a big deal to have their support and really track how each school and district is doing. That way they can help schools or areas that might be behind and help them catch up.”

In 2015, UETN began tracking how technology is used in the classroom and the access teachers and students have to digital materials, devices, and platforms. Data from another inventory was released in 2018.

“Last year, following our second statewide inventory, we learned the number of classrooms connected through digital teaching and learning had risen thanks to increased distribution of computer devices and newer wireless gear,” said Ray Timothy, CEO, UETN. “However, we also found that more work was needed to connect every student to key technologies that will prepare them for an increasingly digital world.”
This inventory can help districts identify gaps and point to areas that are seeing improvement. It’s providing opportunities to follow successful models and to explore new ideas—and understand how the world of education may be changing.

“I think learning is not just on the campus anymore, but it’s everywhere the student goes. So, I’ve been very interested in projects that will allow support for off-campus use of these devices,” said Superintendent Long. “That includes working with the Federal Communications Commission to change some rules. The No. 1 thing myself and other administrators can do right now is petition for Erate funds to be used for more than getting bandwidth to the classroom. We need to have funding that supports mobile learning.”

He points to current trends of students opting out of traditional K-12 education, choosing instead to home school or use other avenues.

“We haven’t seen the Amazon or Uber model of education yet, but if we don't change and adjust so people can access education in new ways—such as mobile or self-paced learning—we're going to slowly go out of business or maybe not slowly at some point,” said Long.

He adds that school districts must look beyond local resources and start trying to connect education globally—because that’s how the students of today are and will continue to be connected when it comes to everything from jobs to friends.

“We need to meet students where they are and not try to force them into a box,” he said.

It’s something the district’s teachers also understand.

“If we didn’t have the ability to offer them tech, their opportunities would be much more limited, especially in rural areas,” said Williams. “You know, we don’t have AP classes, but we can offer it through colleges using the technology.”
“We live in the 21st century. We live in a digital environment,” Fisher added. “We’re trying to give the students real-world skills, and if we couldn’t give them the skill of technology, it would hamper their progress.”

Next week we continue our month-long series “The Changing Classroom in Utah” with a look at how one 6th grader and her teacher are leveraging technology in Weber County—a district that’s gone from chalkboards to Chromebooks in just a few years’ time.

You can follow the entire series on the UEN website by clicking here (https://www.uen.org/schooltech/).
I THINK LEARNING IS NOT JUST ON THE CAMPUS ANYMORE, BUT IT’S EVERYWHERE THE STUDENT GOES.”

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“The access students now have to information is incredible. There are massive databases and information systems that are global in scale,” he said. “Teachers are still the key to each student’s success, but these devices empower instruction at an incredibly personal and individualized level.”

Long has only been with Beaver County School District for about six months, but he’s got big plans for expanding access.

“He teaches third-grade math at Belknap Elementary School and says the schools are at the center of everything.”

Everybody goes to the football games, attends plays at the high school, and takes part in the dance. It’s very much a small-town feel. It’s a traditional feeling,” Williams said. “I remember when I was in school, my teachers would stand at a chalkboard and tell us how to do everything. Now, tech has changed things so much in the classroom, making it possible for students to self-motivated and self-paced. I can also move among the students constantly rather than stand with my back to them.”

Every year, he teaches around 75 to 80 students. Virtually all third graders finish math lessons before the school year ends, but 10 to 15 percent move on to also finish the fourth-grade math program—that’s where Chromebooks can help.

“When these devices are in their hands, I can move them on to fourth-grade studies, others go even further,” Williams said. “At the same time, it allows me to immediately see who is struggling and give them the extra support they need every day.”

Williams is a favored few booted and spurred, ready to ride not been born with saddles on their backs, nor palpable truth, that the mass of mankind has not been born with saddles on their backs, nor the grace of God.

-Bear, UT - David Long, Superintendent of Beaver County Schools, in the southwest corner of Utah. It’s mostly rural and offers a combination of small-town life and industries that are agriculture and alternative energy—such as Smithfield Farms and Union Pacific Railroad—which are two of the area’s largest employers. There are also some newly developed wind and solar farms in the area.

Reagan Williams grew up in Beaver County and now calls some of his one-time teachers colleagues. He teaches third-grade math at Belknap Elementary School and says the schools are at the center of everything.

Everybody goes to the football games, attendance plays at the high school, and takes part in the dance. It’s very much a small-town feel. It’s a traditional feeling,” Williams said. “I remember when I was in school, my teachers would stand at a chalkboard and tell us how to do everything. Now, tech has changed things so much in the classroom, making it possible for students to be self-motivated and self-paced. I can also move among the students constantly rather than stand with my back to them.”

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is how to help advanced learners, because there are not enough resources available for them,” Fisher said. “Technology has made it so we don’t have to go deep into the different education and access programs and resources to allow them to continue learning. On the other end of the spectrum, you can intervene with a student struggling faster than ever before. We use Canvas, and I can look at the grades as they pop up and help a student immediately understand what went wrong and adjust my instruction.”

Without the technology, Williams says, students in Beaver County would simply be left behind.

“If we didn’t have the access, we wouldn’t meet our goals,” he said. “But because we do have access, our school is outperforming the state average for students.”

Both Williams and Fisher attribute the success the district is seeing to the training offered to each teacher. Every instructor takes lessons and can take ongoing education on how to more effectively use the technology in the classroom. Part of that includes striking the right balance between hands-on instruction and computer-based learning.

“We’re constantly looking ahead and asking ‘how can we make better use of the technology,’” said Williams. “But little kids aren’t robots. The teacher will always need to take part in facilitating and instructing and guiding his or her students.”

Taking Stock of School Technology

The Utah Education and Telehealth Network (UETN), in partnership with the nonprofit Connected Nation, is in the midst of doing an inventory of technology within Utah’s public and charter schools.

“UETN has really been the backbone for helping expand technology in the schools, including the actual infrastructure in a lot of our districts,” Fisher said. “It’s a big deal to have their support and really track how each school and district is doing. That way they can help schools or areas that might be behind and help them catch up.”

In 2015, UETN began tracking how technology is used in the classroom and the access teachers and students have to digital materials, devices, and platforms. Data from another inventory was released in 2018.

“Last year, following our second statewide inventory, we learned the number of classrooms connected through digital teaching and learning had risen thanks to increased distribution of computer devices and newer wireless gear,” said Ray Timothy, CEO, UETN. “However, we also found that more work was needed to connect every student to key technologies that will prepare them for an increasingly digital world.”

This inventory can help districts identify gaps and point to areas that are seeing improvement. It’s providing opportunities to follow successful models and to explore new ideas—and understand how the world of education may be changing.

“I think learning is not just on the campus anymore, but it’s everywhere the student goes. So, I’ve been very interested in projects that will allow support for off-campus use of these devices,” said Superintendent Long. “That includes working with the Federal Communications Commission to change some rules. The No. 1 thing mobile and other administrators can do right now is petition for E-rate funds to be used for more than getting bandwidth to the classroom. We need to have funding that supports mobile learning.”

He points to current trends of students opting out of traditional K-12 education, choosing instead to home school or use other avenues.

“We haven’t seen the Amazon or Uber model of education yet, but if we don’t change and adjust so people can access education in new ways—such as mobile or self-paced learning—we’re going to slowly go out of business or maybe not slowly at some point,” said Long.

He adds that school districts must look beyond local resources and start trying to connect educators globally—because that’s how the students of today are and will continue to be connected when it comes to everything from jobs to friends.

“We need to meet students where they are and not try to force them into a box,” he said.

“It’s something the district’s teachers also understand. “If we didn’t have the ability to offer them tech, their opportunities would be much more limited, especially in rural areas,” said Williams. “You know, we don’t have AP classes, but we can offer it through colleges using the technology.”

“We live in the 21st century. We live in a digital environment,” Fisher added. “We’re trying to give the students real-world skills, and if we couldn’t give them the skill of technology, it would hamper their progress.”

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THE CHANGING CLASSROOM IN UTAH: TECHNOLOGY IN WEBER SCHOOL DISTRICT — FROM CHALKBOARDS TO CHROMEBOOKS

Ogden, UT (November 12, 2019)— Alyssa Boydston is your typical sixth-grader. She attends Lomond View Elementary School located in Pleasant View and is really into sports. Boydston wants to be either a soccer player or engineer when she grows up, and she’s super excited about the upcoming sixth-grade dance—a 1950s-themed event.

Boydston also has never known school without technology in the classroom.

“It’s always been there, but this year we each got our own Chromebooks, so that’s a new thing,” she said. “Before, we’d only get them once or twice a week and only for a certain period of time and had to share them with others.”

Boydston is one of Alan Rhee’s star students. He teaches sixth grade at the very school he attended as a child.

“That was 34 years ago, when we did everything with paper and a pencil, and our teachers used chalk and chalkboards,” Rhee said. “Now, we don’t even have chalkboards in our classrooms at Lomond View.”
The school uses smart boards that are already being phased out to make way for smart monitors—essentially touch-screen televisions with no projectors—and the entire district is moving to what’s called 1-to-1 with Chromebooks. That simply means every student would have their own dedicated device.

Lynn Raymond is Weber County School District’s Director of Technology. The district offices are located in Ogden, where Raymond oversees efforts to move schools into this new territory.

“When I came into the district, the computers were basically centered around the teacher having the tech and then using that technology to engage students in terms of PowerPoints, presentations, those types of things,” he said. “That’s now changed dramatically. The tech is now integrated within student learning. Students are also able to use it to individualize their instruction. They can work from home and access resources to continue their education even after school hours.”

Raymond taught human physiology and anatomy before moving into administrative roles. His experience has helped him understand how to integrate new tech into the classroom setting.

“We also looked at other districts that were having success or failure,” he said. “We quickly learned that you can’t just give the students Chromebooks, but you have to also provide teachers support. So, six months before we started distributing Chromebooks, tech services worked with the curriculum department to prepare and train teachers.”

The Utah Education and Telehealth Network (UETN), in partnership with the nonprofit Connected Nation, is in the midst of doing an inventory of technology within all of Utah’s public and charter schools—including Weber County.

“UETN has been phenomenal in working with us on getting our schools prepared so every student has a device that’s monitored by our system, even when they are off campus,” Raymond said. “Essentially, our partnership with UETN has helped us work through the
challenges and opportunities of expanding technology. At the same time, the UETN inventory gives us an important snapshot of our district and how it compares to others—which is especially important for parents. They’ll be able to see what the classroom looks like and what type of learning their children will be involved in here.”

In 2015, UETN began tracking how technology is used in the classroom and the access teachers and students have to digital materials, devices and platforms. Data from another inventory was released in 2018.

“Last year, following our second statewide inventory, we learned the number of classrooms connected through digital teaching and learning had risen thanks to increased distribution of computer devices and newer wireless gear,” said Ray Timothy, CEO of UETN. “However, we also found that more work was needed to connect every student to key technologies that will prepare them for an increasingly digital world.”

That’s made it possible for students and teachers to explore learning in new and even more effective ways.

“Tomorrow, we get to actually go inside Alcatraz on a VR [virtual reality] field trip,” said Rhees. “We’re also exploring new methods of learning using images and group reviews. One of the best things about the devices is that I know instantly how a student is doing on an assignment or test and can provide immediate feedback. It makes learning more interactive and effective.”

Lomond View Elementary students typically spend about a third of the school day using the devices. They’ll complete digital modules in math or language arts or other subjects. They also work on improving their keyboarding skills and doing group lessons.

“It feels like we’re a team, but rather than a race to win, it’s a race to get the best answer,” said sixth-grader Boydston. “I think it’s really fun having your own Chromebook because it’s more tech in the classroom and stuff, and it’s easier than writing everything down on paper. Plus, if we have spare time, we get to go to Nearpod. I like to work on new math problems.”
Nearpod is a student-engagement platform that schools can leverage. It provides ready-to-run, interactive lessons for grades K-12. They include multiple-choice questions and problems that can be solved by drawing out or diagramming an answer.

It’s just one of many ways technology is transforming instruction in classrooms across Utah.

“I think tech is going to change even more than we realize,” Rhees said. “Right now, we still have some limitations on access or how we can use the devices. I think augmented reality—where students can actually see a place through headsets—are going to enter our classrooms more and more. We’ll still have textbooks and interact with students one-on-one because it will always be important to engage in that way, but there will eventually be a new balance between technology and traditional teaching.”

Raymond agrees. As he and his staff look toward the future, they already see a horizon that’s limitless.

“We’re already working with 3D printers and have elementary students actually designing and working it,” he said. “Drones, artificial intelligence, augmented reality—there’s so much ahead of us. Now, we’re working on writing a new program with Google to track technology in a different way than ever before so we can see how tech is being used by teachers and students and look to what’s next.”

**Next week we continue our month-long series “The Changing Classroom in Utah.”** We’ll sit down with Alpine School District’s Administrator of Technology Services who explains how the schools of today must be vastly different than even just 10 years ago and what that means for teachers and students.


**Why School Technology Inventory Matters** ([https://www.uen.org/schooltech/](https://www.uen.org/schooltech/))
THE CHANGING CLASSROOM IN UTAH: TECHNOLOGY’S ROLE IN ALPINE SCHOOL DISTRICT

by Jessica Denson, Communications Director
Connected Nation

American Fork, UT (November 19, 2019) – According to Blaine Edman, we’re living in a vastly different world than just 10 or 20 years ago—and it’s impacting how Utah school districts approach education.

“Technology now plays such a vital and important role in the world, so we need to teach students how to use tech while being aware that education is about more than just tech,” said Edman, Administrator of Technology Services, Alpine School District. “We’re teaching students what they should expect as they enter society and the workplace—helping them create, collaborate, communicate, and think critically while leveraging technology.”

The Utah Education and Telehealth Network (UETN), in partnership with the nonprofit Connected Nation, is in the midst of doing an inventory of technology within Utah’s public and charter schools. Alpine School District is taking part in that inventory. Edman calls it “critically important” for administrators to understand the digital landscape of the district.
“We do see there are big differences between kids who have access to technology and those who don’t,” he said. “But it’s even more complex than that. It’s not just a question of do they have internet and devices at home, but also what kind of environment are they in and what are they doing with the technology. All of these are things we can track and monitor.”

In 2015, UETN began tracking how technology is used in the classroom and the access teachers and students have to digital materials, devices, and platforms. Data from another inventory was released in 2018.

“Last year, following our second statewide inventory, we learned the number of classrooms connected through digital teaching and learning had risen thanks to increased distribution of computer devices and newer wireless gear,” said Ray Timothy, CEO of UETN. “However, we also found that more work was needed to connect every student to key technologies that will prepare them for an increasingly digital world.”

Matt Johnson is the Director of Technology Infrastructure for the Alpine School District. He oversees the district’s networks within the schools and keeps track of network traffic, resources and security.

“In my role, I work with staff to provide the schools with connectivity to the UETN network,” Johnson said. “They provide access and connectivity to the internet resources for the school district. They also have the capacity and resources to support educational entities at a larger scale.”

Johnson is also responsible for maintaining technology infrastructure across the district.

“So, essentially, as I look at the inventory process, we are identifying the number of devices in each of the schools, what the network bandwidth is in each of the schools, and where wireless access points may need to be added or augmented to ensure that we have connectivity throughout the schools,” Johnson explained.
Every district sets up how it approaches technology differently. Alpine Schools has developed another department called "Innovative Learning." This department focuses on how to best use the technology in the classroom. The district also provides training and ongoing coaching for teachers so they’re up to speed on the latest advancements.

In the last four years, the district has also gone from about 30,000 to 90,000 internet-enabled devices. That means there is a device for every student. But, Edman again emphasizes that it’s not just having enough computers or laptops that matters—it’s leveraging the tools in smart ways to help students as best they can.

“I really want parents and the community to understand that there is a great potential for how we can have students use technology to prepare them for their future,” Edman added. “But we also know there are risks and difficulties and problems that sometimes arrive. I think in all schools there are a ton of dedicated people there trying to provide the right tools for kids while keeping them safe, healthy, and happy in the process.”

Next week we continue our month-long series "The Changing Classroom in Utah" with a look inside Juab School District—a district that is doing something very different with technology through its one-of-kind Innovation Center.

Related Articles:
Technology in Weber School District – From Chalkboard to Chromebooks (https://connectednation.org/blog/2019/11/12/8709/)
Taking Inventory: Utah Education Network Asks School Districts to Track Technology in Classrooms (https://connectednation.org/blog/2019/10/03/taking-inventory-utah-education-network-asks-school-districts-to-track-technology-in-classrooms/)

You can also follow the entire series on technology in Utah’s schools on UEN’s website (https://www.uen.org/schooltech/).
THE CHANGING CLASSROOM IN UTAH: INNOVATING TECHNOLOGY IN JUAB SCHOOL DISTRICT

by Jessica Denson, Communications Director
Connected Nation

Nephi, UT (November 26, 2019) – Technology is not just part of the classroom in Juab School District. It’s integrated into every aspect of learning.

“We’re giving each student a voice and choice in their own learning,” said Ken Rowley, Principal, Juab Junior High School. “Each student sets his or her own personal goals at the start of the year. Because of that approach, they’re incredibly engaged as they try to reach their goals. When we do that, it becomes personal and they own it.”

Rowley attended school about an hour away in the Nebo School District, graduating in 1985. He later taught at Juab High School for 11 years and 13 years ago became principal for the junior high. Rowley says it struck him that the classrooms didn’t look much different than when he was a student.
“Kids would come into the classroom, turn off their devices, and sit there like it was 20 years ago,” he said. “But as soon as they’d leave, they’d power back up, so in a way, it was like learning just stopped once they went to class. So we started to look at integrating the technology to what students enjoyed learning and how they enjoyed learning.”

**The Future is Now**

In 2019, the entire district is now one-to-one on iPads for 5th-12th grades—meaning every student has a device they can take home to do homework and other school projects. There are also 100s of Chromebooks available for elementary students, and most classrooms have smart boards or Apple TVs and sound systems to assist teachers with instruction.

“We provide all the items to teachers and take time to train them on the technology so they can be even more effective in the classroom,” said Tony Sperry, Technology Director, Juab School District. “This technology can be life-changing for our students. Imagine if they did not have access to it? It impacts everything from applying for colleges to being able to find work. Kids need to develop their technology and computer skills just to take part and compete.”

Sperry also grew up in the area, which he calls a mix of a farming and bedroom community. Located about 45 minutes from Provo, the state’s third largest city, he says many people commute so they can enjoy the quiet, rural life. He graduated from Juab High School and 37 years ago began teaching for the district.

“I think it was the early 90’s that we got computers for all of our teachers. Then shortly after we added our first electronic grade book,” said Sperry. “Then, as things progressed, the internet started to come into play, and we started networking everything. Because I was excited about the future of technology in the classroom, I just sort of fell into the role of Technology Director about 25 years ago and now we just keep looking at ways to innovate for our students and teachers.”

He credits the support of the superintendent and school board for making it possible to do more in the classrooms. That includes developing “The Innovation Center,” which just opened.
“We remodeled a school to include the center,” he explained. “It has big open classrooms and all the latest technology that we can get our hands on. We’re just starting to figure out how to bring students from elementary and junior high to do some high-tech projects like robotics and 3D printing. It’s important for us to bring new things so kids can explore and learn and discover.”

The district also plans to look at how high school students can start utilizing The Innovation Center. It’s that kind of forward-thinking that Principal Rowley says is a must for not only the district but all of Utah’s schools.

“Would I send someone out to build a house without the right tools?” he said. “We must give students what they need to do well. They don’t want to be lectured to all day along. They want—and need—learning to be interactive with and even from their peers. I think technology helps us personalize the learning that goes on in each one of our student’s lives. It means we can meet their needs a whole lot easier and more personally than we’ve ever been able to do before.”

It’s why taking inventory of technology in the Juab School District is so important. Right now, the Utah Education and Telehealth Network (UETN), in partnership with the nonprofit Connected Nation, is in the midst of doing a tech inventory within all of Utah’s public and charter schools.

In 2015, UETN began tracking how technology is used in the classroom and the access teachers and students have to digital materials, devices, and platforms. Data from another inventory was released in 2018.

“Last year, following our second statewide inventory, we learned the number of classrooms connected through digital teaching and learning had risen thanks to increased distribution of computer devices and newer wireless gear,” said Ray Timothy, CEO, UETN. “However, we also found that more work was needed to connect every student to key technologies that will prepare them for an increasingly digital world.”
The inventory can help districts identify gaps and point to areas that are seeing improvement.

“It’s so important to know where you are,” said Sperry. “You’ve also got to know where you’re going. For instance, if you’re dealing with an old computer lab, the inventory helps you identify when it’s time to refresh it or replace the digital tools with newer tools.”

The data gathered during the inventory is also providing opportunities to follow successful models and to explore new ideas—and understand how the world of education may be changing.

The Challenges and Opportunities Ahead

As we move into the next decade, both Sperry and Rowley see technology as something that will present challenges and opportunities for Juab School District.

“Our district works pretty hard for computer science curriculum,” said Sperry. “So in the last few years, we started doing things a little differently and started doing some training and offering specialized classes. That includes basic computer programming lessons at even the elementary level. There’s even more offered at the junior and high school levels, and we need to keep improving this every year.”

One challenge is the lack of internet access once students take devices home. According to Rowley, about a third of his students don’t have access to the internet once they leave school.

“It would be nice if we could find more ways to get Wi-Fi into all homes,” he said. “Right now, I see a lot of students in the Wendy’s parking lot just to get access.”
The principal also points out the importance of parents being educated on how to use the devices students take home—and the dangers that the internet can sometimes pose. Rowley says everyone working with students must remember that none of the above can be “one-size-fits-all.”

“Tech is changing so fast, so I’m not married to one device. Different kids may learn better with different devices,” he said. “I think it should be internet-based rather than simply device-based, but no matter what we as educators do, I’d never send a student to go learn without technology involved—to do so limits and hinders their progress.”

**Next week we wrap up our month-long series “The Changing Classroom in Utah”** with a comprehensive look at the four school districts profiled in the series.

**Related Articles:**


You can also follow the entire series on technology in Utah’s schools on UEN’s website ([https://www.uen.org/schooltech/](https://www.uen.org/schooltech/)).
THE CHANGING CLASSROOM IN UTAH: THE IMPORTANCE OF TRACKING TECHNOLOGY IN OUR SCHOOLS

by Jessica Denson, Communications Director

Salt Lake City, UT (December 3, 2019) – For the last two months, Utah school administrators, technology directors, teachers, and other key staff members have been taking part in an effort to inventory technology in both charter and public schools across the state.

It may sound like a routine part of what school districts must do, but the data gleaned from this work can impact teaching and learning in classrooms for years to come.

“Last year, following our second statewide inventory, we learned the number of classrooms connected through digital teaching and learning had risen thanks to increased distribution of computer devices and newer wireless gear,” said Ray Timothy, CEO, Utah Education and Telehealth Network (UETN). “However, we also found that more work was needed to connect every student to key technologies that will prepare them for an increasingly digital world. This inventory can help us identify gaps and point to areas where we’re seeing improvements—providing opportunities to learn from our successes.”
UETN, in partnership with Connected Nation (CN), is overseeing the technology inventory. The first—completed in 2015—provided initial details on how technology is used in Utah classrooms and the access teachers and students have to digital materials, devices, and platforms.

“Technology now plays such a vital and important role in the world, so we need to teach students how to use tech while being aware that education is about more than just tech,” said Blaine Edman, Administrator of Technology Services, Alpine School District. “We do see there are big differences between kids who have access to technology and those who don’t. But it’s even more complex than that. It’s not just a question of do they have internet and devices at home, but also what kind of environment are they in and what are they doing with the technology? All of these are things we can now track and monitor.”

The process to do so is only getting better. In 2018, UETN and CN were able to capture data from more than 1,000 schools that serve more than 665,000 students across the state during the inventory.

The resulting data set contained more than 100,000 new points of data on the use of technology in Utah K-12 schools—including digital curricula materials, platforms used, and the number and nature of devices used in classrooms. School districts can leverage that information to make impactful changes in the classroom.

**The Digital Classroom**

A student-athlete in Beaver County School District works on homework before practice. Lynn Raymond is Weber County School District’s Director of Technology. The district offices are located in Ogden, where Raymond oversees work to expand technology in the schools—and the approach for how it’s used.

"When I came into the district, the computers were basically centered around the teacher having the tech and then using that technology to engage students in terms of PowerPoints, presentations, those types of things," he said. "That’s now changed dramatically. The tech is now integrated within
student learning. Students are also able to use it to individualize their instruction. They can work from home and access resources to continue their education even after school hours.”

Raymond says there can be a learning curve as technology is integrated into classrooms and new technology emerges—knowing what has worked elsewhere can help.

“We have looked at other districts that were having success or failure,” he said. “We quickly learned that you can't just give the students Chromebooks, but you have to also provide teachers support. So six months before we started distributing Chromebooks, tech services worked with the curriculum department to prepare and train teachers.”

Alyssa Boydston is a sixth-grader at Lomond View Elementary School in Weber County School District where Raymond works. She has never known school without technology in the classroom.

“It’s always been there, but this year we each got our own Chromebooks, so that’s a new thing,” she said. “It’s easier than writing everything down on paper. We can also learn in different ways, multiple choice, short answer, or even draw out different problems and work them out together as a class. Usually we’re just trying to get the best answer and excel at a subject rather than it being like a race to win. We work together and, if we have spare time, we get to go to Nearpod. I like to work on new math problems.”

Nearpod is a student-engagement platform that schools can leverage. It provides ready-to-run, interactive lessons for grades K-12. Compare this experience to that of her teacher, Alan Rhee’s, and it’s clear Utah’s schools must stay ahead of technology.

“I attended the same school 34 years ago, when we did everything with paper and a pencil, and our teachers used chalk and chalkboards,” said Rhee’s. “Now, we don’t
even have chalkboards in our classrooms at Lomond View. We use smart boards or smart monitors and my class is even able to take VR [virtual reality] field trips. It all makes learning more interactive and more effective."

Reagan Williams agrees. The third-grade math teacher at Belknap Elementary School in Beaver County teaches around 75 to 80 students every year. Virtually all third-graders finish math lessons before the school year ends, and another 30 to 40 percent are able to move on to even more complicated math programs—that's where Chromebooks can help.

"With these devices, I can move them onto fourth-grade studies; others go even further," Williams said. "At the same time, it allows me to immediately, in real time, see who is struggling and give them the extra support they need—so every student is truly learning at his or her own level."

Ryan Fisher teaches both social studies and Career and Technical Education (CTE) Classes, such as welding and woodshop, at Milford High School in Beaver County. He says leveraging the internet and computers makes it possible for teachers to better meet the needs of all students.

"One of the biggest challenges for every teacher is how to help advanced learners, because there are not enough resources available for them," Fisher said. "Technology has made it possible to go deeper with their education and access programs and resources to allow them to continue learning. On the other end of the spectrum, you can intervene with a student struggling faster than ever before. We use Canvas, and I can look at the grades as they pop up and help a student immediately understand what went wrong and adjust my instruction."

That ability for personalization is something teachers and administrators emphasize in the Juab School District.
“We’re giving each student a voice and choice in their own learning,” said Ken Rowley, Principal, Juab Junior High School. “Each student sets his or her own personal goals at the start of the year. Because of that approach, they’re incredibly engaged as they try to reach their goals. When we do that it becomes personal and they own it.”

Juab School District recently went one-to-one on iPads for fifth through 12th grades—meaning every student has a device they can take home to do homework and other school projects. There are also hundreds of Chromebooks available for elementary students, and most classrooms have smart boards or Apple TVs and sound systems to assist teachers with instruction.

“We provide all the items to teachers and take time to train them on the technology so they can be even more effective in the classroom,” said Tony Sperry, Technology Director, Juab School District. “This technology can be life-changing for our students. Imagine if they did not have access to it. It impacts everything from applying for colleges to being able to find work. Kids need to develop their technology and computer skills just to take part and compete.”

So what’s next for technology in Utah’s schools? That depends on how school districts address some of the challenges teachers and administrators say they’re seeing.

We’re Only Limited by Our Imagination....and Student Access

A big challenge is lack of internet access once students take devices home. According to Rowley, the Juab Junior High School Principal, about one-third of his students don’t have access to the internet once they leave school.

“It would be nice if we could find more ways to get Wi-Fi into all homes,” he said. “Right now, I see a lot of students in the Wendy’s parking lot just to get access.”

Connecting all people to broadband (high-speed internet) is part of Connected Nation’s mission and why the nonprofit continues to partner with UETN to help track technology in Utah’s schools.
“As a nonprofit, we have worked for nearly two decades to find and implement innovative solutions to expand access to broadband and its related technologies to more families and communities,” said Tom Ferree, Chairman and CEO, CN. “Connecting our schools and, ultimately, more students is a critical part of our mission. Children must have the opportunity to learn how to leverage technology for careers, education, healthcare, and more.”

The technology inventory is a proactive step to identify ways to help students and teachers.

“We understand it’s important to continue to track our progress,” said Ray Timothy of UETN. “Connected Nation has shown us it can help facilitate this research and support our teachers and administrators. We have had 100 percent participation in the past two statewide technology inventories—proving that Utah’s school leaders understand how important it is for us to identify where we are doing well and what we must do to better serve our students.”

David Long, Superintendent for the Beaver County School District, agrees the inventory is critical and adds that school districts must look beyond local resources and start trying to connect education globally.

“I think learning is not just on the campus anymore, but it’s everywhere the student goes. So I’ve been very interested in projects that will allow support for off-campus use of these devices,” said Long. “That includes working with the Federal Communications Commission to change some rules. The No. 1 thing myself and other administrators can do right now is petition for Erate funds to be used for more than getting bandwidth to the classroom. We need to have funding that supports mobile learning.”

Rowley says he would also like to see a shift in how technology is viewed when it comes to student learning.

“Tech is changing so fast, so I’m not married to one device. Different kids may learn better with different devices,” he said. “I think it should be internet-based rather than simply device-based, but no matter what we as educators do, I’d never send a student to go learn without technology involved—to do so limits and hinders their progress.”

It’s a statement that teachers across Utah are echoing: Without technology, our students will fall behind.
“I think tech is going to change even more than we realize,” said Rhees. “Right now, we still have some limitations on access or how we can use the devices. I think augmented reality—where students can actually see a place through headsets—are going to enter our classrooms more and more. We’ll still have textbooks and interact with students one-on-one because it will always be important to engage in that way, but there will eventually be a new balance between technology and traditional teaching.”

“If we didn’t have the ability to offer them tech, their opportunities would be much more limited, especially in rural areas,” said Williams. “You know, we don’t have AP classes, but we can offer it through colleges using the technology.”

“We live in the 21st century. We live in a digital environment,” Fisher added. “We’re trying to give the students real-world skills, and if we couldn’t give them the skill of technology, it would hamper their progress.”

The technology inventory is scheduled to be completed on Friday, Nov. 22. A public report is set to be issued in late December 2019.

You can read each article in our November series on technology in Utah classrooms called “The Changing Classroom in Utah” by clicking on the links below.

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