

## **Project Title: Duchesne River Walk Improvement**

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Class: ST. George CMap 2010

Project Description	We will gather information to see if there is increased vandalism and litter at various places on the River Walk. The information will then be presented to the city of Duchesne. We will work together to increase lighting, garbage cans, and signs, as a means to reduce the problem.
Community Issue or Problem Selected -How project evolved?	As members of Duchesne High School, the community issues are directly tied to the students, because most of the students live in the community of Duchesne. Perhaps some of the students have contributed to the problem. This could make them aware of the impact their behavior can have on a community.
Community Partner(s)	The school, parents, and Principal. Also the community council and Mayor.
Project Objectives	Reduce vandalism. Reduce garbage. Beautification of the River Walk. Increase the connection of school and community. Student responsibility to school and community.
Utah Core Standards/Objectives	<b>Career and Technical Education</b> <b>Introduction</b> <b>Standard 1</b> Students will be knowledgeable about the world of work, explore career options and relate personal skills, aptitudes, and abilities to education planning and future career decision making. <b>Objective 8-1</b> Explore the relationship and impact of information technology and digital media in the business arena. <b>Objective 8-2</b> Explore the relationship and impact of information technology and digital media on the family and consumer.

	<p><b>Objective 8-3</b> Explore the relationship and impact of information technology and digital media in today's technology world.</p>
Essential Question(s) -Spatial Issue	Will student awareness help prevent more vandalism? Will lighting, garbage can placement, and signs direct people to use the garbage cans? Can we help beautify our River Walk?
Assessments (rubrics, scoring guides)	Points will be awarded for working in teams and individually. PowerPoint for Principal and city council. Digital photos for PowerPoint and mapping. GPS mapping and ArcView skills both individually and as teams. Students from other groups will be involved, as will the teacher, in part of the grading.
Project Products	PowerPoint. Map. Garbage cans, lighting, and signs on the River Walk.
Project Timeline (include a step by step Procedures)	<p>After teaching how to use software involved, we will spend some time learning to use digital cameras. Also, after discussion, we will spend two days preparing our proposal for the town and Principal. Following all the preliminary work, we will spend a day with the GPS and locate the data we will use. Also, we will use the digital cameras when we are on the River Walk.</p> <p>Day 1 &amp; 2: Teams will gather information to map locations of problems.</p> <p>Day 3 &amp; 4 Upload GPS points and markings from our gathering day. Download digital photos to be used in our map and PowerPoint projects.</p> <p>Day 5 &amp; 6: Begin compiling layers on the computer and creating the map.</p> <p>Day 7: Begin to analyze the map as a class.</p> <p>Day 8-11: Prepare PowerPoint projects and includes maps with all important information (We will invite the Principal on this day).</p> <p>Day 12: Presentation in class of PowerPoint and</p>

	<p>map etc. We will watch all team projects. We will take a silent vote to select the presentation for the Community Council.</p> <p>Wait for word, and then we will spend 2 school days helping to implement our proposal.</p> <p>SIGN our names on the backside of the new signs.</p>
Resources Needed	<p>4 GPS Units (5 students per unit). ArcView on all computers. People with the skills to use the GPS units and software. Digital cameras. PowerPoint.</p>
Skills Required	<p>Training on ArcView. Training on GPS. Picture taking and downloading to use in presentation and map.</p>
Project Team Member Roles	<p><b>Teacher(s): Mrs. Fabrizio's 7<sup>th</sup> Grade CTE Intro Class</b></p> <p><b>Students: 7<sup>th</sup> Grade Students</b></p> <p><b>Partner(s): School, Principal, Duchesne City</b></p>
Celebration/Presentation	<p>With the city approval, we would like to sign our names on the back of the signs with a message about our project.</p>
Project Evaluation	<p>Were measurements correct and maps exact? Did students present information accurately and professionally to the Principal and Community Council? And last but not least, was the program implemented?</p>
Project Bibliography	<p>UEN Website for the Core Standards and Objectives</p>
Plans for Future CMAP Activities	<p>To go out and see if our project had a positive impact. Is there less trash and graffiti? Map and upload data onto our map to see if our project was effective.</p> <p>Compare our initial and ending data.</p>