




CMaP PROJECT

Project Title: Monroe City Culinary Water Line Mapping

Created by: Rhet Parsons

Class:

<p>Project Description Map pinpointing with GPS the control valves that control Monroe City Culinary Water System</p>	<p>Students from Monroe Elementary School 5th Grade will as a project locate all water valves that control Monroe City Culinary Water System and place a pin in the ArcGIS which will include the description of which areas of the city each valve controls.</p>
<p>Community Issue or Problem Selected -How project evolved?</p>	<p>Need for mapping and location of Monroe City Culinary water valves that control different areas of Monroe City A need for culinary water system valves to be GPSed and loaded into GIS System.</p>
<p>Community Partner(s)</p>	<p>Monroe City: Allison Leavitt City Secretary Devin Magelby City Manager Rod Wanlass City Water Department Manager Monroe Elementary 5th Grade Students and Teachers: Mr. Parsons</p>
<p>Project Objectives</p>	<p>-Give Monroe Elementary 5th Grade students opportunity to practice and become familiar with and fluent in the skills to use a GPS and marking waypoints. -Map Monroe City Culinary Water System valves. -Create sense of community. Students will learn to have a sense of pride and the importance of citizenship in donating time and help to local entities.</p>
<p>Utah Core Standards/Objectives</p>	<p>Standard 1 Elementary Social Studies Students will understand the relationship between the physical geography in Utah and human life.</p>

	<p style="text-align: center;"> Links</p> <p>Objective 1 Classify major physical geographic attributes of Utah.</p> <p> Lesson Plans  Links</p> <p style="text-align: center;">a. Identify Utah's latitude, longitude, hemisphere, <input style="width: 150px; height: 15px;" type="text"/></p>
<p>Essential Question(s)</p> <p>-Spatial Issue</p>	<p>Where are the Monroe City culinary valves located?</p> <p>How Does GPS work and familiarity with hands on skills in using a GPS?</p>
<p>Assessments (rubrics, scoring guides)</p>	<p>For this project the assessment would be that the students can GPS accurately the location of water valves within the Monroe City Limits.</p>
<p>Project Products</p>	<ul style="list-style-type: none"> ● The Product would be a C-MaP project that could be used by Monroe City Employees to easily locate control valves throughout Monroe City. ● Education of Monroe Elementary 5th Grade Student in use and familiarity with GPS device. ● Get students out into their community doing hands on technology that is helpful to society.
<p>Project Timeline (include a step by step Procedures)</p>	<p>-August 2017 - Contact Monroe City to set up times during school hours for students to meet with Monroe City Water Department Manager. Introduce Project to 5th grade class.</p> <p>-September 2017 - Introduce GPS instruction to 5th grade students. Practice use with GPS around playground.</p> <p>-October 2017 - Field trip to the nearest control valve near Monroe Elementary to show students what they are physically looking for.</p> <p>-October 2017- June 2018 Mapping Control Valves throughout the City.</p>
<p>Resources Needed</p>	<p>-GPS Devices</p> <p>- Monroe City Municipal Employee (For introduction and education of what city water vave lids look like.)</p>

Skills Required	<p>-Expeirience in marking way points with GPS. -Experience with arcGIS</p>
Project Team Member Roles	<p>Teacher(s):Rhet Parsons</p> <p>Students:Monroe Elementary 5th grade Students</p> <p>Partner(s):Monroe City</p>
Celebration/Presentation	<p>Monroe Elementary students will learn valuable skills in using GPS Devices.</p> <p>Monroe Elementary Students will also feel a sense of pride in community in knowing they helped fulfill a need in their community.</p>
Project Evaluation	<p>Successful GPS locations of all Monroe City culinary water valves.</p>
Project Bibliography	<p>None</p>
Plans for Future CMaP Activities	<p>Fifth Grade Monroe Elementary Students marking way points with a GPS throughout Monroe City.</p>

Optional:

- Lesson Plans
- Student Artifacts
- Publicity