

James Merrifield
 Santa Clara Elementary
 5th Grade

Project Title: Pot Holes, Did I do that?

Project Description	Students will identify pot holes in streets within a 6 block radius of the school. Students will identify those pot holes by using a GPS system and accurately marking where pot holes exist. Students will then present the information to the community of Santa Clara. The city hopes that all pot holes will be reported to the community, so community leaders can quickly assigned them to be filled. As students, they will be involved in a service learning project, so bikes, cars, and pedestrians can use the roads without accidents.
Community Issue or Problem Selected -How project evolved?	It is posted on the Santa Clara town website, that if a pot hole is found, report it. Students will take part in the town plea to keep all roads safe for anyone who uses them. Students will locate pot holes, and present information to the community when completed.
Community Partner(s)	City of Santa Clara Home Depot- To obtain orange vests, so students will be safe in accurately finding pot holes using the GPS
Project Objectives	<ul style="list-style-type: none"> -Present a plan to Home Depot to obtain 30 orange vests -Identify pot holes within a 6 block radius using a GPS system -Collect data and import data into Google Earth -Present Collected data and Google Earth Map identifying all pot holes within the assigned location to the City Council.
Utah Core Standards/Objectives	<p>Language Arts Standard 1 Objective 1 Oral Language-Students develop language for the purpose of effectively communicating through listening, speaking, viewing, and presenting.</p>

	<p>Objective 2 Develop language through viewing media and presenting.</p> <p>Standard 8 Writing-Students write daily to communicate effectively for a variety of purposes and audiences.</p> <p>Objective 2 Compose a written draft.</p> <p>Objective 8 Share writing with others incorporating relevant illustrations, photos, charts, diagrams, and/or graphs to add meaning.</p> <p>Social Studies Standard 4: Students will understand the responsibilities of Citizens in the United States. Objective 2: a. Investigate ways in which responsible citizens take part in civic life. b. Participate in activities that promote the public good; e.g., the voting process, jury duty, community service.</p>
<p>Essential Question(s) -Spatial Issue</p>	<p>How can students and government partner to influence and improve their community?</p>
<p>Assessments (rubrics, scoring guides)</p>	<p>Individual project plan presented to Home Depot to receive 30 Orange Vests - Write Source- Writing Rubric Google Earth Map- Identifying pot holes located in assigned location Maps/Explanation presented to Community identifying pot holes</p>
<p>Project Products</p>	<p>Orange Vests (Home Depot) GPS Systems (As many as possible) Printed Google Earth Map</p>
<p>Project Timeline (include a step by step Procedures)</p>	<p>1st week- Students will write a letter explaining why we need 30 vests from Home Depot 2nd week- - Students will identify pot holes using GPS - Students will import GPS Waypoints into Google Earth 3rd week- Students will write a explanation of their findings and present this with a printed copy of their Google Earth Map</p>

Resources Needed	Home Depot Vests GPS Systems (As many as possible) Laptops with Google Earth
Skills Required	Knowledge of GPS systems Knowledge of Google Earth
Project Team Member Roles	Teacher(s): Mr. Merrifield Students: 27 Partner(s): City of Santa Clara, Hopefully Parent Volunteers
Celebration/Presentation	Walk to Santa Clara City Office, Presentation of Information, Cookies/Drinks supplies by Room Mom/Mr. Merrifield
Project Evaluation	Rubrics scoring project write up and final presentation explaining findings
Project Bibliography	Home Depot City of Santa Clara GPS Website- UEN
Plans for Future CMAP Activities	Use GPS systems to locate other needs for the City of Santa Clara