

TEMPLATE FOR CMAP PROJECT

Each participant who participated in the CMAP workshop signed an agreement to conduct a CMAP project and write up. This template is provided to you as a guide for the CMAP project you agreed to conduct with your students.

Please complete a detailed write-up of your CMAP project using this template. Use the kind of language and detail so other teachers can take your project to conduct in their classrooms. An archive of CMAP projects will be made available for Utah educators.

Send to: Jared Covili, Utah Education Network, 1705 E. Campus Center Dr, MBH 205, Salt Lake City, Utah 84112. jared@uen.org.

Project Title: Valley Junior High Sidewalk Safety
Created by: Deborah Thomas
Class: After school program

Project Description	Sidewalks in the walking area of Valley Junior High are in need of repair. The West Valley Public Works Department schedules repair of damaged or raise sections of sidewalk according to the level of danger and from citizen complaints about specific areas.
Community Issue or Problem Selected -How project evolved?	Broken or raised sidewalks pose extreme danger to walking, skating and cycle riding pedestrians. Valley Junior students and teachers are concerned about their community.
Community Partner(s)	West Valley City Public Works Department, Department of Transportation, Community Council and businesses in the Valley area.
Project Objectives	Valley Students will mark all locations of potential danger

	and repair needs on sidewalks around the school using the longitude and latitude Garmin functions and take pictures of the locations.
Utah Core Standards/ Objectives	Learn to use new technology and problem solving in the classroom. Data collection, organization, latitude and longitude description and use, and computer skills are necessary for the project completion.
Essential Question(s) -Spatial Issue	Where are the sidewalk hazards around Valley Junior High?
Assessments (rubrics, scoring guides)	Students will submit pictures, geo locations and descriptions of the dangerous locations. Data will be collected on a spreadsheet and imported to an online map.
Project Products	Individual group collections and information will be compiled on a basemap.
Project Timeline (include a step by step Procedures)	<p>8 weeks:</p> <p>Project discussion: need, desired results and expectations.</p> <p>Introduce Geo locations, latitude and longitude waypoints, Garmin uses and basic Garmin skills only.</p> <p>Establish groups and decide on device use for pictures. Assign area to cover. Take pictures and mark waypoints. Import data, create excel sheet, map data. Present to class. Gather all group data into presentation for West Valley Public Works Department.</p>

Resources Needed	Garmin, device to take pictures, spreadsheet document for data collection on clip board, school computer, classroom lab after school.
Skills Required	Basic computer skills, listening skills, 6 th grade math level skills,
Project Team Member Roles	<p>Teacher(s): Instruction, guidance and motivation</p> <p>Students: Data collection and presentation described in timeline above.</p> <p>Partner(s): Use the project information to schedule sidewalk repair while interacting with Valley students as Community Partners.</p>
Celebration/Presentation	To the school at an assembly, to the news stations in the Salt Lake area, write up in the Granite District Newsletter, Letter to parents
Project Evaluation	Accuracy of research, location and presentation
Project Bibliography	<i>Fun With GPS, ArcGIS maps online, DOT accident data in Valley Junior area, storymaps.esri.com, UEN.org/CMAP</i>
Plans for Future CMAP Activities	Open up discussion with students for project ideas important to them.

Optional:

- Lesson Plans
- Student Artifacts
- Publicity