

CMaP PROJECT

Project Title: Bluffdale City Emergency Preparedness Map

Created By: Ali Cole

Class: Heber CMaP 2010

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| Project Description | Taking the existing Bluffdale, UT City Emergency Preparedness Team (CERT) maps and giving students an opportunity to use GPS technology to map where emergency buildings are located and the distance from homes to the emergency location. Students will also plot routes to each emergency meeting location. Students would add this information to the existing CERT maps. Also, students would create maps with the routes to emergency meeting locations that the city could distribute to each city section. |
| Community Issue or Problem Selected -How project evolved? | CERT has created an excellent emergency plan, however, most citizens do not know where to report/meet if there is an emergency. |
| Community Partner(s) | Bluffdale, UT CERT Mayor Derk Timothy |
| Project Objectives | SWBA: Map way points on GPS units. Create specific community map using GIS software (Arcmap). Work in cooperative groups. Create an oral presentation for Bluffdale CERT and Mayor. |
| Utah Core Standards/Objectives | Geography for Life-9th Grade 1. Objective1: use maps and other geographic tools to acquire information from a spatial perspective a. Know how latitude and longitude works using modern technology such as GPS units. b. Collect and interpret geographic data using maps, charts, population pyramids, cartograms, remote sensing and Geographic Information Systems (GIS). |
| Essential Question(s) -Spatial Issue | How can the city account for families during an emergency? Where will residents meet in case of emergency? What routes can residents/emergency teams take to get to each area of the city? |
| Assessments (rubrics, scoring guides) | Rubric will be distributed to each student presenting what information will be needed on a final map. |

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| | Students will be assess on completion of requirements for the map. |
| Project Products | Final map showing where emergency buildings are located for each section if the city and routes for residents to access each building. |
| Project Timeline (include a step by step Procedures) | Using Honor Geography students 1. August and September - Introduce GIS/GPS 2. October – Fieldtrip/homework: mark waypoints for each class 3. November and December- a. use Arcmap/already existing CERT maps to put data on community map b. label each emergency meeting location c. map routes to each meeting location 4. January- Present to CERT and Mayor |
| Resources Needed | GPS Units- at least one per group Teams of 3-4 students Data collecting wks Computers with ArcMap |
| Skills Required | Knowledge of GPS units, Knowledge of inputting data into ArcMap |
| Project Team Member Roles | Teacher(s): Cole (Geography) Fernley (Technology) Students: 9 th Grade Honor Geography classes Partner(s): Bluffdale CERT Bluffdale City Mayor |
| Celebration/Presentation | Presentation to Mayor Community recognition |
| Project Evaluation | Bluffdale CERT and Mayor approve map and distribute to residents. |
| Project Bibliography | Garmin GPS Unit Arc GIS program City and county data |
| Plans for Future CMAP Activities | Take this project to a county level and create emergency meeting location maps for all of Salt Lake County. |