

TEMPLATE FOR CMap PROJECT

Project Title: School Emergency Preparedness

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Class: UEN 2009

Project Description	Taking the existing evacuation procedures and giving students an opportunity to use GPS technology to map where each class would be located when they exit the building. Students would plot routes (how far teachers need to go to their area). I would want to plot a location in case it is a cold day for students to go to keep warm. Students would take pictures of each area where the classes would be. They could then plot lines as to where each specific class would be standing. Once all of this gets put onto the system I would like to see if we could upload it to the school web site for parents to reference what would happen in case of an evacuation. This would also help district personnel, parents, and emergency personnel to see where students will be when they approach the school.
Community Issue or Problem Selected -How project evolved?	We have a paper plan and having this on our web site would help in letting informing the community on what happens in case of an emergency. It keeps us in touch with the community.
Community Partner(s)	Principal PTA president Vice Principal in charge of evacuations District personnel over evacuations Fire department responsible for Indian Hills School
Project Objectives	Mapping way points where each class will be in the event of an evacuation. Tracks will be used to determine if this is the shortest route for each teacher. Make adjustments if necessary. Take pictures of each area and have students draw areas where each class would be located at that spot. Post this on the schools web site after it has been approved by the principal and put in teacher's packet.
Utah Core Standards/Objectives	Geography for Life-9 th Grade <ol style="list-style-type: none"> 1. Objective 1 use maps and other geographic tools to acquire information from a spatial perspective 2. Know how latitude and longitude works using modern technology such as GPS units. 3. Collect and interpret geographic data using maps, charts, population pyramids, cartograms, remote sensing and Geographic Information Systems (GIS).
Essential Question(s)	How can school officials and families know how to count for

-Spatial Issue	students in case of a disaster? How can families find out the status of students and where they would be located?
Assessments (rubrics, scoring guides)	A rubric will be distributed to all students showing what the school needs to have for evacuation. Students will need to follow the guidelines given by the principal.
Project Products	Creating a map of the school grounds showing where each teacher and school personnel would be located.
Project Timeline (include a step by step Procedures)	Using National Junior Honor Society students (NJHS). <ol style="list-style-type: none"> 1. September & October - Introduce GIS/GPS 2. October - mark waypoints for each class 3. November - put on map of school 4. Label each room number and where the class will stand 5. December present to principal 6. Present to PTA President 7. January - Put on web site
Resources Needed	GPS Units. For this project you would need perhaps 10 GPS Units. Teams of 3(students) Knowledge of GPS units as discussed in class Give refresher course to NJHS Knowledge of Arc View
Skills Required	Knowledge of GPS units, This should be done during World Geography classes. Learning to input data into Arc View Computers with Arc view attached.
Project Team Member Roles	Teacher(s): David Selin (Vice Chair) and NJHS committee Students: National Junior Honor Society Partner(s): Principal, V. P., PTA Pres.
Celebration/Presentation	Present maps to principal and PTA president for O. K. and put on web site.
Project Evaluation	Principal and PTA President to o.k. map. Sandy city specialist to o.k. map.
Project Bibliography	Garmin GPS Unit Arc GIS program City and county data
Plans for Future CMAP Activities	I would like to map all neighborhoods using GPS/GIS units and software to have all Magruff safe houses in the area. This can be beneficial for all elementary and secondary schools.

Optional:

-Lesson Plans

-Student Artifacts

-Publicity