

TEMPLATE FOR CMap PROJECT

Project Title: Type of accidents around the High School
Created By: Kevin Card, Stephanie Cottam, Janalene Houle
Class: Pleasant Grove 2007

Project Description	We are working with the Pleasant Grove City Police Department in determining the amount and type of accidents that have occurred, this past year, within a ¼ mile radius of Pleasant Grove High School. Depending upon the information we receive our project may alter to make it more manageable for our students. Once we receive the information, we will have our students go out with GPS units and mark waypoints so we can map the accidents surrounding our high school. We would also like to separate the accidents into categories, such as pedestrian, bike, auto, and if drugs are involved. We anticipate this taking a couple of weeks in order for our students to accomplish this task. They will also be involved in transferring this information from our GPS units onto the ArcMap.
Community Issue or Problem Selected -How project evolved?	This information will be helpful for our school as well as the community in determining a safer school zone for all of us. We wanted to do a project that would benefit the school and community.
Community Partner(s)	Sherri Atwood, Linda Chipman, Officer Raymond Robertson from the Pleasant Grove City Police Department.
Project Objectives	Creation of a map to be used by the administration of our school, and public safety department of Pleasant Grove.
Utah Core Standards/Objectives	As part of our Guidance Curriculum for Comprehensive Guidance we will present this information to our Drivers Education classes. This will make our students more aware of their responsibility to be a safe driver, as well as safe driving conditions.
Essential Question(s) -Spatial Issue	We will be using a ¼ mile radius surrounding Pleasant Grove High School. We also want to see if there is a correlation between accidents and visibility/weather and time of day.
Assessments (rubrics, scoring guides)	This will include data relating to visibility, weather conditions, time of day, etc...
Project Products	Present this information to our administration, faculty, Dr. Ed. and Why Try classes, as well as the Police Department.
Project Timeline (include a step by step Procedures)	We would like to finish this project within two to three weeks during 2007-2008 school year. Step 1 – Gather Police reports. Step 2- GPS training for our students. Step 3 – Create a data gathering sheet. Step 4 – Collect data – Students will mark with GPS units. Step 5 – Transfer data to ArcMap system.

	<p>Step 6 – Create a powerpoint presentation.</p> <p>Step 7 – Present and publish results.</p> <p>Step 8 – Send results to UEN.</p>
Resources Needed	<p>GPS Units – Check out from Alpine District Office.</p> <p>Gather Police reports.</p> <p>Parent permission forms?</p> <p>ArcMap system.</p>
Skills Required	<p>GPS knowledge</p> <p>Typing</p> <p>Powerpoint</p>
Project Team Member Roles	<p>Teacher(s): Kevin Card, Stephanie Cottam, Janalene Houle - Facilitate and organize the project.</p> <p>Students: Pleasant Grove High School students – GPS data gathering.</p> <p>Partner(s): Pleasant Grove Police Department – Providing accident reports.</p>
Celebration/Presentation	Administration, faculty, and students.
Project Evaluation	We would like to increase safety awareness around our school and in the community.
Project Bibliography	<p>ArcMap/GIS – ESRI 380 New York Street, Redlands, CA. 92373-8100 USA. 252-227-7015.</p> <p>Garmin – 1200 E. 151 Street, Olathe, KS. 66062 USA. 913-397-8282.</p> <p>www.dnr.state.mn.us/mis/gis/tools/arcview/extentions/DNRGarmin/DNRGarmin.html.</p> <p>Microsoft Powerpoint – Microsoft Corporation, One Microsoft Way, Redmond, WA. 98052-6399. 800-642-7676.</p> <p>Pleasant Grove Police Department – 87 E. 100 S. Pleasant Grove UT. 84062. 801-785-3506.</p>
Plans for Future CMAP Activities	We will use yearly updates of accident reports to increase safety around the school.

- Optional:
- Lesson Plans
 - Student Artifacts
 - Publicity