

TEMPLATE FOR CMap PROJECT

Project Title: Demographics of PTA Members
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Project Description	Using GPS and GIS students will find out the demographics of PTA members in correlation with the PTA President. They will gather data on location, language spoken, jobs they are doing, education etc. We will then give the info to the PTA President with suggestions in how to help them have more members.
Community Issue or Problem Selected -How project evolved?	The issue I have seen is the students with parents involved do better in school, so one way to have them involved is the PTA. The students that need help are without technology in the home, parental supervision, and the knowledge to help with their studies. I think if they can target those families with more fliers or brochures, or other services, their students will start doing better in school.
Community Partner(s)	PTA Committee, including the President and PR person, PTSA President, and students in that organization.
Project Objectives	Students will become proficient with a GPS unit, GIS data, and analyzing that data. They will use cooperation with other students and their PTA. They will use real life problems to make real life solutions.
Utah Core Standards/Objectives	Standard 1: Objective 1, use maps and other geographic tools to acquire information from a spatial perspective, Objective 3, Analyze the spatial organization of people, places, and environments on the earth's surface. Standard 2: Objective 1, Interpret place by its human and

	<p>physical characteristics, Objective 2, Assess how people create regions to interpret the earth's surface, Objective 3, Evaluate how culture and experience influence the way people live in places and regions.</p> <p>Standard 4: Objective 1, Analyze the characteristics distribution, and migration of human populations on the earth's surface, Objective 2, Analyzed economic interdependence among regions and countries.</p> <p>Standard 6: Objective 2, Apply geographic concepts to interpret the present and plan for the future.</p>
Essential Question(s) -Spatial Issue	<p>Where are the PTA members in our community, and why or why aren't they members?</p> <p>How can we increase PTA membership and involvement in our school and community?</p>
Assessments (rubrics, scoring guides)	Rubric for brochure/flier they created, which will include their projection of their waypoints and graph their info, including pictures too.
Project Products	Brochures/Fliers, Proposals, and Surveys.
Project Timeline (include a step by step Procedures)	<ol style="list-style-type: none"> 1. Write proposal letter to PTA president and send ASAP. 2. Meet PTA Pres. In person and talk about project. Get materials like membership records and GPS units. 3. Teach students about PTA and GPS/GIS. 4. Have PTA President come as a guest speaker and get students to buy into the goals of the project. 5. Teach from the beginning the basics of their GPS units and do simple activities to explore: Initials, Scavenger Hunt. 6. Discuss the fields we should use for our survey and discuss survey safety. 7. Send students out with GPS units to conduct surveys. They will make waypoints and tracks to download to our map. They will also take pictures as they go. 8. Using the lab we will practice making maps and inserting data layers. 9. We will work together making maps with their data.

	<p>10. Discuss data and brainstorm problems that we can focus on to help the PTA.</p> <p>11. Make a product like a brochure or flier using the evidences we found for lack of membership, and present to PTA President.</p> <p>12. Organize party to celebrate.</p>
Resources Needed	Member ship records, GPS units, GIS program with computer labs.
Skills Required	GPS and GIS basic skills, Word processing in producing brochures and fliers, communication and cooperation skills.
Project Team Member Roles	<p>Teacher(s):Melinda Dickson, Tyce Flake, Janene Crane</p> <p>Students: 1st Period 9th Grade Geography Students</p> <p>Partner(s): PTA</p>
Celebration/Presentation	BBQ in back of school
Project Evaluation	Survey the students in class and PTA members about the project and include my own thoughts.
Project Bibliography	
Plans for Future CMAP Activities	

Optional:

-Lesson Plans

-Student Artifacts

-Publicity