

CMaP PROJECT

Project Title: Timpanogos Intermediate Playground Areas

Created by: Cheri Mitchell – 5th grade

Class: Heber CMaP 2010

Project Description	<p>Students will use GPS units to mark the four different playground areas including the soccer field, kickball field, the high school track, the black top, all playground equipment, and appropriate crosswalks.</p> <p>Students will create posters for the school and flyers for each student to take home stating the rules and regulations of appropriate playground use.</p>
Community Issue or Problem Selected -How project evolved?	Timpanogos Intermediate is a newly created school and needs written and visual clarification of appropriate usage of playground equipment and areas.
Community Partner(s)	The teachers and principal of Timpanogos Intermediate.
Project Objectives	Students will learn the basics of using GPS units and the ARCMaP Program to create a map of the school play areas and equipment. They will also create posters and fliers to share their information with students, teachers, and the public.
Utah Core Standards/Objectives	<ul style="list-style-type: none"> • Educational Technology • Library/Media Standard 1: identifying and solving problems • Math Objective 1, Standard 3: recognizing and analyzing geometric shapes • Language Arts Standard 1: effectively communicating through listening, speaking, and presenting
Essential Question(s) -Spatial Issue	How can students at Timpanogos Intermediate safely walk to the four different play areas and safely play on the playground equipment?
Assessments (rubrics, scoring guides)	Teacher observations and project rubric.
Project Products	In small groups students will create a map & poster of the four separate play areas with the safety rules that accompany

	each area. As a class, students will create a public announcement for the school displaying the play areas, equipment, and safety rules.
Project Timeline (include a step by step Procedures)	<ul style="list-style-type: none"> • Discuss playground areas and safety rules • Teach how to use GPS units • In groups of 4 create waypoints of all 4 playgrounds, crosswalks, and playground equipment • Create a map of all play areas using ArcGIS • Write rules to go with each play area and playground equipment • Create and share posters with students, school, and parents • Create a public announcement to air over the school intercom sharing the information
Resources Needed	GPS units, mapping software (ArcGIS), poster paper, school art supplies, and computers.
Skills Required	<ul style="list-style-type: none"> • Using GPS units • Using mapping software • Use of computer word processing
Project Team Member Roles	<p>Teacher(s): Teaching, supervising, and setting up software for mapping.</p> <p>Students: Working cooperatively in groups, listening and following directions, learning to use GPS units, and creating and sharing maps.</p> <p>Partner(s): Principal and other teachers giving support and feedback. Parent volunteers with the GPS units.</p>
Celebration/Presentation	Students will share their maps/posters with rules and regulations with student body, teachers, principal, and parents.
Project Evaluation	Project rubric
Project Bibliography	
Plans for Future CMaP Activities	Students can make waypoints on the practice field for use with Gold Medal Mile and create the directions and visuals for activities associated with Gold Medal Mile.