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TEMPLATE FOR CMaP PROJECT

Project Title: Handicap Accessible Ramps
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Class: Box Elder July 2008

Project Description	Using GPS to map sidewalks that have a lack of handicap accessible drive-ups or ramps. We will also be checking for cracked broken and unusable sidewalk ramps for wheelchairs, pedestrian vehicles, and bicycles.
Community Issue or Problem Selected -How project evolved?	This issue will help address problems that the community as a whole is affected by.
Community Partner(s)	City council, schools, and local and county governments.
Project Objectives	To recognize sidewalks in Tremonton that need handicap accessible ramps and/or could be fixed to accommodate.
Utah Core Standards/Objectives	Health education as well as fitness for life classes will be used to gather and process the data.
Essential Question(s) -Spatial Issue	How many sidewalks in Tremonton are not handicap accessible? What sidewalks would be used by more people? What are the characteristics of the damage of the sidewalk?

Assessments (rubrics, scoring guides)	Teacher observations, map element checklist, map presentation to group, completed PhotoStory narration of GIS process.
Project Products	Create an ArcGIS 9 of Tremonton streets and sidewalks.
Project Timeline (include a step by step Procedures)	• Two hours to create PhotoStory narration • 1-2 hours to teach file management and GIS into of where the Utah data is located on school Network Server • Fitness log where students can walk and/or run while observing streets and sidewalks that fit the criteria • *students could mark sidewalks that fit criteria with GPS waypoints
Resources Needed	• ArcGIS software installed and working • Schedule time in computer lab • File management folders • *GPS units
Skills Required	• Work in collaborative teams • How to add the ArcGIS 9 • How to create a map layout • *basic GPS introduction
Project Team Member Roles	Teacher(s):Gene Wilcox-health and fitness for life educator **Students:** Map and find sidewalks that meet the criteria, mark waypoints with GPS, and put it on city map with layers. **Partner(s):** The local city and county government, city council, schools, ADA.
Celebration/Presentation	Share PhotoStory with maps and pictures of streets and sidewalks that have problems of handicap accessibility. Gallery stroll sharing projects. Community council
Project Evaluation	Community council, state and local governments.

Project Bibliography	ArcGIS 9
	   http://www.tremontoncity.com
	   http://www.boxeldercounty.org
	Google Earth
	DNR Garmin

Plans for Future CMaP Activities	Using GPS to track and find alternative fuel source fill up stations savings involved with alternative fuel source vehicles.

Optional:
-Lesson Plans
-Student Artifacts
-Publicity