TEMPLATE FOR CMaP PROJECT

Project Title: Ride or Walk
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Class: Salt Lake 2007

Project Description	Survey the community surrounding Butler Middle School to see which get a ride to school as apposed to walking. Students will use GPS and GIS to create data in order to map the ratio between walking and distance from school. Upon completion students will analyze their collected data and hypothesize on the reasons for their finding.
Community Issue or Problem Selected -How project evolved?	Is there a correlation between students who walk to school and how far they live from school? What are the environmental impacts of students driving to school?
Community Partner(s)	Salt lake County Gov. Community Council Jordan School District
Project Objectives	-Collect data throughout the neighborhood -Use GPS units to collect waypoints and tracks -Input data into ESRI ARC View 9.2 and create map -Analyze maps -Present findings and suggestions

Utah Core Standards/Objectives	-Students will understand the world in spatial terms. -Students will understand the human and physical characteristics of places and regions. -Students will understand how human activities shape the earth's surface. -Students will use geographic knowledge to connect to today's world.
Essential Question(s) -Spatial Issue	-Location of school within individual neighborhoods. -Transportation method to and from school. -Identify volume and routes used to commute to school.
Assessments (rubrics, scoring guides)	-Assessment based upon: data collection, mapping, analysis, and a final presentation
Project Products	Students will have produced: a complete data set, map based upon the data, analysis essay and a comprehensive presentation.
Project Timeline (include a step by step Procedures)	-1-2 days GPS training -Use GIS training as part of week long mapping unit. -Homework during this time on surveys and data collection. 1-2 Weeks Total
Resources Needed	GPS Units Computer lab with ESRI Arc View 9.2 with data sets PowerPoint / Projector Clip boards Paper Writing utensil
Skills Required	Students will need to be able to: collect data, map reading ability, GPS navigation and data collection, GIS map making ability, and public speaking/ presenting.
Project Team Member Roles	**Teacher(s): Set up the criteria and rubric and guidance** **Students: collect data, create map and presentation. Be patient, positive learners.**

	Partner(s): provide data, provide opportunity for student presentation. Follow up action plan
Celebration/Presentation	Celebrate and present on each step of the process: data collection, completion of map, presentation of final product.
Project Evaluation	Parent and student survey Personal reflection Faculty survey
Project Bibliography	Survey sources ESRI Data GPS Waypoints and Tracks
Plans for Future CMaP Activities	Present finding to other class, grade levels and schools, Survey for future community spatial problems/ question New Future Community Mapping Project.

Optional:
-Lesson Plans
-Student Artifacts
-Publicity