

TEMPLATE FOR CMap PROJECT

Project Title: Wasatch County Recycling Survey
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Class: Heber and Pleasant Grove

Project Description	As a collaborative effort, Wasatch county 9 th grade geography and technology students will conduct surveys to assess the attitude of Wasatch County residents towards recycling. Students will present findings to the Wasatch County commission.
Community Issue or Problem Selected -How project evolved?	Wasatch County has no curbside recycling service (public or private).
Community Partner(s)	<p>Wasatch County Solid Waste</p> <p>Paul Kennard Wasatch Economic Development 475 North Main Street Heber City, Utah 84032 Phone: (435) 654-3666 Fax : (435) 654-3667 pkennard@co.wasatch.ut.us</p> <p>Recycling Zone: 654-2792- 671 W. 100 S. Heber City, Ut. Diamond K Waste: 654-2321-1891 W. 3000 S.</p> <p>Brad Mertz Recycling Coalition of Utah PO Box 112045 Salt Lake City UT 84147-2045 Phone (801) 832-1157 recyclebrad@msn.com</p> <p>Les Prall Governor's Office of Economic Development Recycling Market Development Zone Program 324 South State Street, Suite 500 Salt Lake City, UT 84114-7360 Phone: (801) 538-8804 Fax : (801) 538-8888</p>

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Project Objectives	The purpose of this project is to survey the level of interest of Wasatch County residents in recycling. Specifically, whether county residents would recycle if containers were provided and picked up by either a private or public service. The survey will also assess whether people will be willing to pay for the service.
Utah Core Standards/Objectives	Standard 4: objective 3b Determine the role of government in contemporary and historical world issues. Standard 5: objective1 Explore how humans change the environment and how the environment changes humans Standard 5 objective 2 Assess the importance and use of human and natural resources.
Intro to Comm Standards/Objectives	Objective 2-1 Students will know the steps of the design process. Objective 4-1 Students will understand, identify, and use electronically communicate information. Objective 4-3 Students will be able to send, receive, and confirm electronic communication.
Essential Question(s) -Spatial Issue	How can humans use resources without destroying the environment? How involved should government be in the lives of the people they govern? How has the technology of today allowed us understand and communicate in the world we live in today?
Assessments (rubrics, scoring guides)	1-The survey will be both a survey and an assessment. 2. Assessments will be given for students to demonstrate proficiency in using GPS units, and GIS.
Project Products	Students will disaggregate data from surveys and record findings on charts and map of Wasatch county. Students will also create charts and graphs to demonstrate to

	the Wasatch County Planning Commission the cost benefit analysis of recycling.
Project Timeline (include a step by step Procedures)	<ol style="list-style-type: none"> 1-Write grant to procure GPS units 2-Install GIS software on computers at school 3-Purchase GPS units 4-Introduce students to the project idea. 5. Introduce student to community human resources that can inform them of the utility of GIS and GPS. 6. Introduce students to the use of GPS units: Geocaching 7. Assign students areas and deadlines to administer surveys. 8. Disaggregate data and download survey coordinates into computers 9. Create maps and charts for presentation to Wasatch County Commission 10. Make arrangements for newspaper article to appear in local paper. 11. Present findings to Wasatch County Commission
Resources Needed	<p>ArcGIS 9.2 software Wasatch County GIS data (maps) 15-20 GPS Units</p>
Skills Required	<p>Ability to mark coordinates in a GPS unit Ability to download coordinates from GPS units to ArcGIS map. Ability to analyze and interpret data Ability to create charts and graphs</p>
Project Team Member Roles	<p>Teacher(s): Craig Jeppson Kirk Heaton</p> <p>Students: All Wasatch County 9th grade geography students</p> <p>Partner(s):</p> <p>Wasatch County Solid Waste Recycling Zone: 654-2792- 671 W. 100 S. Heber City, Ut. Diamond K Waste: 654-2321-1891 W. 3000 S.</p> <p>Paul Kennard</p>

	<p>Wasatch Economic Development</p> <p>Brad Mertz Recycling Coalition of Utah Les Prall Governor's Office of Economic Development Recycling Market Development Zone Program</p>
Celebration/Presentation	<p>Wasatch County Commision Wasatch Wave</p>
Project Evaluation	
Project Bibliography	
Plans for Future CMAP Activities	<p>Future students can follow up to influence & promote recycling</p>

Optional:

- Lesson Plans
- Student Artifacts
- Publicity