

TEMPLATE FOR CMap PROJECT

Name: Buffy Camps

Class: Moab 2007

Project Title: Safe Route to School for the West Side

<p>Project Description</p>	<p>To develop a safe route to school and other community places that students on the west side can access without danger of vehicular traffic.</p> <p>This would be done by creating a section of parkway along the Pack Creek which would join the existing Mill Creek Parkway at the confluence of the two creeks behind the USU building.</p>
<p>Community Issue or Problem Selected -How project evolved?</p>	<p>Children on the west side of town cannot safely get to school on the existing roads. If the west side was connected to the parkway, students could ride or walk this route without encountering dangerous traffic on their way to school, the library, and the ball park.</p>
<p>Community Partner(s)</p>	<p>Dusty Carpenter at Moab BLM Dave Olsen at City of Moab School Community</p>
<p>Project Objectives</p>	<p>Understand how to use a GPS and to map water quality, animal habitat, and vegetation along Pack Creek. Take a survey of the residents that would directly be affected and from those who may not be.</p>
<p>Utah Core Standards/Objectives</p>	<p>5th Grade Science - ILO #1, #2, and #4 Language Arts -Standard 8 Ob. 6 (e. functional texts, f. charts & graphs)</p>
<p>Essential Question(s) -Spatial Issue</p>	<p>What would the impact of connecting Pack Creek to the Mill Creek Parkway on the west side of town be on water quality, animal habitat, vegetation, and humans?</p>
<p>Assessments (rubrics, scoring guides)</p>	<p>Field data with GPS waypoints Map Elements checklist Map Presentation</p>

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	Class Presentation at a Moab City Council Meeting
Project Products	Create an ArcGIS9 inventory of the proposed parkway connecting to the existing Parkway Create an information flyer or brochure for the community
Project Timeline (include a step by step Procedures)	3-6 hours to collect GPS data points along the track and photographing existing environment 3-4 hours using computer to download GPS points on, place on their map, to create and edit data tables, and insert their pictures 2 hours to create a brochure or flyer of information on the proposed parkway
Resources Needed	GPS Units and Digital Cameras ArcGIS and DNR Garmin software installed and working Clip boards and data table handout for hike File management with folders created and organized ahead of time Grand County Aerial images
Skills Required	Show students how to save data on shared folders, etc. GPS skills, waypoints, tracks, navigation Work in collaborative teams to meet a goal How to add data to ArcGIS9 How to collect data using data tables How to create tables in ArcGIS9 How to create a map layout
Project Team Member Roles	Teacher(s): Organize and facilitate all proposed activities Students: Collect data, create tables, take a survey, create a map and brochure or flyer, present finished product to the City Council Partner(s): Help in building maps process and share expertise on subject
Celebration/Presentation	Present to parents in the form of a gallery stroll Present to City in a City Council meeting
Project Evaluation	I will ask the City Council to provide feedback to the students on their presentation
Project Bibliography	Students will use the <i>Times Independent</i> to follow community response to this issue
Plans for Future CMaP Activities	GPS and map the existing parkway, this has not been done. Do water quality three times a year and map changes over

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Optional:

- Lesson Plans
- Student Artifacts
- Publicity