

TEMPLATE FOR CMap PROJECT

**Project Title: Freestone Walking Park GPS/GIS Activity**

Mark Glancy, Dale Schroeder Vernal Junior High

Project Description	Map the locations, type, diameter, and condition of trees within the Freestone Walking Park (Vernal)
Community Issue or Problem Selected -How project evolved?	Record for the city to have record for replacement cost of trees due to disease or vandalism.
Community Partner(s)	Elks Lodge
Project Objectives	Familiarize students with GPS/GIS with a service learning project.
Utah Core Standards/Objectives	Pre-Algebra St. 2 obj. 2 a. using proportions. St. 4 obj. b. scale drawings, maps
Essential Question(s) -Spatial Issue	How can municipalities legally show that a tree was removed from a city park? How can municipalities maintain a record of the health and condition of their horticulture.
Assessments (rubrics, scoring guides)	Student generated power point/printed map.
Project Products	Student generated power point/printed map.

Project Timeline (include a step by step Procedures)	<ol style="list-style-type: none"> <li>1. Instruction on GPS usage (3 days)</li> <li>2. Instruction on GIS usage (3 days)</li> <li>3. Application of GPS instruction. (hands-on 1 day)</li> <li>4. Application of GIS instruction. (hands-on 2 days)</li> <li>5. Field work ( 2-3 days)</li> <li>6. Integrating field work into GIS System. (2-3 days)</li> </ol>
Resources Needed	Digital camera, class set of GPS devices, clipboards, paper, tape measure, horticultural book (trees), computer software for GIS, and connection for GPS to computer.
Skills Required	GPS/GIS knowledge, directional knowledge.
Project Team Member Roles	<p><b>Teacher(s): Schroeder/Glancy</b></p> <p><b>Students: VJH Math/Gifted</b></p> <p><b>Partner(s): Vernal City</b></p>
Celebration/Presentation	Power points and maps class presentations. Invite city and arbor foundation on arbor day.
Project Evaluation	Pass/Fail
Project Bibliography	
Plans for Future CMAP Activities	Map additional parks for the community

Optional:

-Lesson Plans

-Student Artifacts

-Publicity