Project Title: Heber City Historic Walk
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            Rocky Mountain Middle School
            Wasatch County
Class: Pleasant Grove 2007

Project Description	Students will locate, identify, and map all buildings within Wasatch County that are on the National Register of Historic Places. (http://www.nationalregisterofhistoricplaces.com/ut/Wasatch/state.html) Students will gather the following information: 1. GPS location of building 2. Physical address of building 3. Historic information pertaining to building 4. Picture of building After gathering this information students will create a GIS map that labels the buildings with a hyperlink containing the address, history, and picture. After putting this information into the system students will develop a walking route or routes of historical buildings within Wasatch County. If possible multiple routes may be created.
Community Issue or Problem Selected -How project evolved?	Heber City and Wasatch County would like to develop a walking tour of historic buildings located within Heber City. Having Rocky Mountain Middle School 7th grade Utah Studies students develop this tour is an opportunity for students to learn the history of their local community.
Community Partner(s)	Heber City Planner, City Commission, County Commission, Heber City Visitors Center, Wasatch County School District
Project Objectives	1. Students will learn how to use a GPS unit. (Global Positioning System) 2. Students will learn how to use and navigate the ArcGIS system. (Geographic Information Systems) 3. Students will learn how to collect and organize data. 4. Students will learn the history of Wasatch County. 5. Students will use decision making skills to develop a walking route between historic sites within Wasatch County.
Utah Core Standards/Objectives	7th Grade Utah Studies Standard 1: Students will understand the interaction between Utah's geography and its inhabitants. Standard 2. Students will understand the contributions of Native American Indians, explorers, and Utah's pioneers. Standard 3. Students will understand the relationship between government and the people of Utah. Standard 5: Students will understand the diverse nature of Utah's

	peoples and cultures. Standard 6. Students will understand the impact of major contemporary events that concern the land and people of Utah.
Essential Question(s) -Spatial Issue	Is there a relationship between the locations of Historic Buildings within Wasatch County? What is the relationship? Is there a relationship between the availability of building materials and materials used to build the Historic Buildings? Is there a logical walking route between Historic Buildings? Why might this route exist?
Assessments (rubrics, scoring guides)	70pts – creation of word document (GPS coordinates, historic information, picture) 50pts – creation of Historic walking route brochure 10pts – entering GPS coordinates correctly into GIS 10pts – creating word document hyperlink on GIS map 10pts – creating walking route using all groups coordinates
Project Products	1. List of all buildings within Wasatch County that are on the National Historic Register of Historic Places. This list will include GPS location, physical address, historic information and a picture. 2. GIS map identifying the location of all National Historic building within Wasatch County. 3. GIS map identifying a number of walking routes that can be used to travel to multiple Historic Buildings within Wasatch County. 4. A visitor's brochure that contains a map to various Historic building within Wasatch County, this brochure will also include historic information that will be interesting to people walking the tour.
Project Timeline (include a step by step Procedures)	18 Week Project Week 1 – Meet with City Planner/ County GIS contact/ Heber City Visitors Center rep Weeks 2-7 – 1 GPS lesson per week (introduction/use/gathering site data) Weeks 8-13 – 1 GIS lesson per week (introduction/use/entering of site data) Weeks 14-18 – 1 project lesson per week (gathering historic data/pictures/creating hyperlinks/creation of a walking tour brochure)
Resources Needed	15 GPS Units Computer Lab ArcGIS Program
Skills Required	Students will learn to use a GPS unit. Students will learn to use the ArcGIS software. Students will learn data gathering skills. Students will learn to use a digital camera. Students will learn to enter GPS data into the ArcGIS software. Students will learn to create various maps within the ArcGIS software.

	Students will learn to gather historic data from various sources. Students will learn to create hyperlinks within ArcGIS and attach historic information to a map.
Project Team Member Roles	**Teacher(s):** Contact community leaders to assess needs of community. Teach students to use GPS units and the ArcGIS software. Guide students in data gathering and creation of a word document containing data. Guide students in input of data into GIS software and creation of Historic walking routes. **Students:** Gather data, input data, create Historic walking routes within Wasatch County. **Partner(s):** Discuss community needs with students. Provide students with project guidance and Historic information if possible.
Celebration/Presentation	Students will present finished project at a County Commission meeting. Presentation will include finished Historic Tour Brochure and enlarged posters of walking maps and historic information.
Project Evaluation	Students will be divided in into groups of 3. Each group will be assigned a historic location within Wasatch County. The group will be responsible for obtaining historic information about the location, a picture of the location, and GPS coordinates. After gathering the data groups will create a word document containing the information to be added to GIS. Each student in the group will receive a grade based on the thoroughness of information contained in the word document. Groups will receive a project grade of up to 150 pts; 70 pts for word document, 50 pts creation of Historic walking route brochure, 10pts entering GPS coordinates into GIS correctly, 10pts for attaching hyperlink of word document to GPS coordinates, 10pts creation of a walking route using all groups coordinates
Project Bibliography	(http://www.nationalregisterofhistoricplaces.com/ut/Wasatch/state.html
Plans for Future CMaP Activities	Students will map the locations of local churches, school buildings, parks and government buildings in Wasatch County. Students will use this information to develop running and biking trails throughout the community linking these locations. Wasatch county has limited biking and running trails, this information will be used to approach the county and express a community need.

Optional:
-Lesson Plans
-Student Artifacts
-Publicity