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BoxElder School District
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Instructor: Leslie Lewis
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Project Title: Business Location Success Project
Created by: Mary Beth Farrer
Class: Box Elder, July 2008

Project Description	Correlation of business location and success rate in Brigham City. Students will determine if geographic location has a significant effect on whether or not a business will succeed in Brigham City. Because of the enormity of the task data will only be evaluated for the last five years. Students will identify businesses that have started up or were already existing in Brigham city in the previous five years. Students will then review the status of those businesses now. GPS coordinates for all businesses will be mapped. The map will be examined for correlation of success rate and location. Results can be reported to Brigham City Council.
Community Issue or Problem Selected -How project evolved?	Better city planning for retail areas and longevity of businesses.
Community Partner(s)	City Recorder and GIS office Chamber of Commerce
Project Objectives	Students locate records of businesses over the last 5 years. Business locations are mapped. Data is correlated to identify businesses that have failed or left the area and stores that are still in business. Correlation of business success and location.
Utah Core Standards/Objectives	1:2:c 2:3:a,b 3:1:a,b,c 3:2:a,b,c
Essential Question(s) -Spatial Issue	Does the location of retail businesses in Brigham City affect their success?
Assessments (rubrics, scoring guides)	Business Location Success Rubric

Project Products	Maps; Chart of Business locations and success rates
Project Timeline (include a step by step Procedures)	1 week--GPS training 1 week--GIS training 3 weeks—ArcMap/GNRGarmin training 1—Gather data of business licenses issued in last five years 2—GPS locations of business licensees in last five years 3—Create map, label, attach identifying information, attach pictures of locations 4 – Establish chart of business still in existence & defunct businesses 5 – Create layer for existing map identifying defunct business 6—Create presentation identifying any effect location has on business viability
Resources Needed	Map layering software. GPS unit. Business License records for five years. Digital Camera DNR Garmin
Skills Required	Map reading. GPS operation. DNRGarmin utilization. ArcMap creation and publishing. ESSENTIAL: Group planning, cooperation, delegation.

Project Team Member Roles	**Teacher(s): Locate Data Bases**
	    Identify and Coordinate with Community Partners
	    Modeling, demonstrating, teaching group working skills, technology, and application of technology.
	
	Students: Identification, mapping, organizing and reporting data
	
	Partner(s): Make records available; instruct students in reading records and identifying pertinent information; demonstration of map construction and labeling.

Celebration/Presentation	City Council Meeting
Project Evaluation	Are maps readable—do they have adequate keys, legends, titles, labels, etc. Is data accurate?
Project Bibliography	http://brighamcity.utah.gov/ http://brighamcity.utah.gov/index.php?module=ibcms&fxn=economic_development.project_areas ArcMap DNRGarmin Box Elder_Color link CD Google Earth

Plans for Future CMaP Activities	Does the playing field at our school need to be divided into more specifically identified areas for activities? What do I know about my community? Students read existing maps of Brigham City, or their community, and then visit areas of interest they have never been to before. GPS is used to log their visits as they construct and label maps of their visits, and as they create a presentation .

Optional:
-Lesson Plans
-Student Artifacts   Maps, Pictures, Charts
-Publicity