**Project Description**
This project will analyze the number of home computers within the school boundaries and how many parents and students use those computers.

**Community Issue or Problem Selected**
Communication between home and school is a high priority at the school. Parents need to be involved in their student’s school. Will the majority of homes be able to communicate digitally with the school and the teachers?

**Community Partner(s)**
Whoever can come up with the GPS units needed to mark the homes

**Project Objectives**
The objective is to map the homes within the school boundaries with computers and show how many of those homes have parents who would use the computer to follow calendars, homework, and school activities on a web page. The school is developing a school website and the content will be determined by the results of the survey.

**Utah Core Standards/Objectives**

**Essential Question(s)**
What percentage of homes within the school boundaries have computers?
What percentage of homes with computers have students in the school?
What percentage of homes with computers would use them to communicate with the school and the teachers?
How much time and effort should be extended into developing a website?
What should be included on a website that would suit the needs of the parents?

**Assessments (rubrics, scoring guides)**
Goals and guidelines will be established by the principal, the teachers, and some students. Participation will be a major factor.
<table>
<thead>
<tr>
<th>Project Products</th>
<th>The end result will be a map with several layers of information: 1-map of school boundaries showing homes, 2-homes with students, 3-homes with computers, 4-homes with parents who would use the computer</th>
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| Project Timeline (include a step by step Procedures) | Week 1- intro to GPS  
Week 2- GPS treasure hunt (develop survey)  
Week 3- GPS tracking -initials (hand out survey)  
Week 4- GIS mapping (Gather survey data)  
Week 5- Send GPS units with students to mark homes info  
Week 6- Enter GPS data on chart  
Week 7- Enter GPS data into computer  
Week 8- Make GIS maps  
Week 9- Make PhotoStory presentation to show school  
Week 10- Enjoy |
| Resources Needed | GPS units (10)  
ArcGIS and DNR software (on computers and server)  
Survey forms |
| Skills Required | Basic computer skills  
Strong desire to do and learn |
| Project Team Member Roles | **Teacher(s):** ???  
**Students:** ???  
**Partner(s):** ??? |
| Celebration/Presentation | A short PhotoStory presentation will be compiled and presented to the school via a school-wide video broadcast. |
| Project Evaluation | The project will be evaluated according the student participation and the excitement the project generated. |
| Project Bibliography | |
| Plans for Future CMaP Activities | Once this map is developed, additional layers can be added to it, such as home demographics, languages spoken, countries of origin, etc.  
Also, the same information could be acquired each year and over a period of time it would show the changes that take |
place within neighborhoods.

Optional:
- Lesson Plans
- Student Artifacts
- Publicity