



	5:1 – (compare and analyze data using graphs, etc.) 5 <sup>th</sup> Social Studies 9:1 – (geographic features such as water and impact on settlement and industry)
Essential Question(s) -Spatial Issue	- Why do we need to save water in our area? - How much water could be saved if all of the houses in our school boundary ripped their strip?
Assessments (rubrics, scoring guides)	Rubric of essential questions and other required maps, graphs, tables, etc.
Project Products	- Maps created with GIS showing survey data - Pamphlets/powerpoints containing maps, graphs, tables , etc. showing survey data and possible water savings. - Optional: Follow-up survey later in year showing changes.
Project Timeline (include a step by step Procedures)	week 1: Introduce concept, software, rubric, form teams, etc. week 2: Conduct survey, collect data, and distribute literature. week 3: Work on student products and share. future: Conduct follow-up survey if desired.
Resources Needed	- literature and info on “Rip Your Strip” program - ArcGIS software and data set with plat map and street information - If available: GPS unit(s) for mapping survey data
Skills Required	Basic computer skills, related math skills, and knowledge of GIS software and GPS systems.
Project Team Member Roles	<b>Teacher(s):</b> Demonstrate use of GIS/GPS, provide rubric and other background info and necessary support.  <b>Students:</b> Conduct survey, distribute literature, and create finished products.  <b>Partner(s):</b> Supply literature/information on program.
Celebration/Presentation	- Share student (group) products with each other and community partners.
Project Evaluation	- Obtain feedback from students and community partners.
Project Bibliography	<a href="http://www.ripyourstrip.com/">http://www.ripyourstrip.com/</a>

Plans for Future CMAP Activities	<ul style="list-style-type: none"><li>- Follow-up survey on the success of the initial “Rip Your Strip” survey and campaign.</li><li>- Water conservation and erosion issues relating to the school grounds.</li></ul>
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Optional:

-Lesson Plans

-Student Artifacts

-Publicity