

# Geographic Exploration Systems

Fall 2007

<b>Subject Area</b>	<ul style="list-style-type: none"><li>• Geography</li><li>• Geospatial Technologies</li><li>• Social Studies</li></ul>
<b>Grade Levels</b>	Suggested for levels 9-16 (Can be used in technology specific class or in general class to support location based content)
<b>Equipment Needed</b>	<ul style="list-style-type: none"><li>• Hardware: Computer with internet connection</li><li>• Software: Google Earth</li></ul>
<b>Learning Objectives</b>	Hands-on introduction to capabilities of general use Geographic Exploration Systems, such as Google Earth, including Geocoding/Address Matching, Data Creation, and Routing.
<b>Instructions</b>	<ul style="list-style-type: none"><li>• Overview of Geographic Exploration Systems (5 min)</li><li>• Comparison to Geographic Information Systems (5 min)</li><li>• Functionality available through GES (5 min)<ul style="list-style-type: none"><li>• Geocoding/Address Matching</li><li>• Data Creation</li><li>• Routing</li></ul></li><li>• Lab exercise (30 minutes)<ul style="list-style-type: none"><li>• See attached lab</li></ul></li><li>• Review of GES and functionality (5 min)</li></ul>
<b>Evaluation</b>	<ul style="list-style-type: none"><li>• Lab will be graded for completeness</li><li>• Results of lab exercise will be carried over to support future classes and labs</li></ul>