**Geography Standard 2.1.a Gather data, make inferences and draw conclusions from maps and other visual representations**

**Part 1:**

Watch the GPS/GIS [video](http://www.youtube.com/watch?v=M7tK9CjRmIo&feature=related). What types of people use GIS technology?

**Part 2:**

Watch the Introduction to GIS [video](http://www.youtube.com/watch?v=rokWdaGc3u4&feature=related). Explain how computerized maps and public health are related.

**Part 3:**

Use this website to answer the questions below <http://www.esri.com/services/disaster-response/hurricanes/latest-news-map>

1. Choose a basemap to use to look at this map. Why did you choose this one?
2. Click on the “layers” tab and check only “NOAA Weather Stations.” Zoom in on the United States on the map. Use the legend to make a generalization about the information this map presents.
3. On the “layers” tab, check only “Evacuation Routes.” What does this map tell you about the location of most hurricanes?
4. Check only the “Recent Hurricanes” layer. In what region of the US do most hurricanes occur?
5. Check both the “Recent Hurricanes” and “Evacuation Routes” layers and zoom in on Savannah, Georgia. What evacuation routes were likely used to evacuate this city?
6. Click on the “Hurricane Sandy AfterMap.” Identify and explain two ways this map will help efforts to rebuild this area. Be specific in your explanation.