GEO STAC Mini Lesson Guide

Topic: Technology Pedagogy

The goal of this lesson is to learn how to create a Web-based GIS lesson that will help someone work through the steps to:
- Link to a web-based Module
- Turn on and off layers of data
- Toggle between the legend and the layer tool.
- Use one of the following: the measurement tool, Zoom in to a feature, Use the buffer tool OR use the Query tool

To do this you will use Jing and the Mini Lesson Template (on Moodle) to create a very explicate step-by step mini lesson. While inquiry is a great way to learn many things, learning how to use tools to accomplish specific tasks requires detailed directions.

You will have about 40 minutes to work on the mini lesson. After 40 minutes you will stop working on the lesson and evaluate another lesson. Print out a color version of your lesson. Print → Select the Color Printer (Not the Color Plotter). We will release your print.

Evaluate a Mini Lesson

When you are finished, exchange lessons with someone and work through their lesson. Are the directions clear? Could you follow it if you had never seen a Web-based GIS before? What steps need to be added to make it easier to follow? Edit as needed. Then exchange back and make corrections to your lesson.

Lesson for describing diffusion of US Religions

Assume students have worked through the Tutorial, but it has been a few weeks and they may not remember the steps.

1. Use the map for US religion and have them to go to the map - URL = http://arcgis.lanecc.edu/website/usreligion/viewer.htm
2. Ask students to look at the Baptist adherents and find out what is the highest percentage range for Baptist adherents.
3. Ask them to find out the name of the large city near the heat of the Baptist religious region.
4. Ask them to find out the name of the city using the ID tool
5. Ask them to do one of the following
   a. Measure the distance between Dallas and Los Angeles
   b. Create a 20 mile buffer around Dallas.
   c. Use query to fin the four states that have state population of people Age 65 and up greater than 2,000,000