***Activity Three***

Ready or not let’s move on to building your first maps.

Step 1: Take a deep breath, don’t get frustrated, review what we have covered and try to complete the following challenge…

Skill 1: Inserting map elements (scale bar, north arrow, title and legend)

A. Open ArcMap and the map called Activity3MapBuildingSkills

B. You should see a Geologic Map of the Iowa!

C. Use the zoom tool to zoom in on the four counties surrounding your home county.

D. You are currently in Data View change to Layout View… (You did this in Activity 1)

Spend the next 10 to 15 minutes inserting and exploring map titles, scale bars, north arrows, and legends…

Click the insert tab on top and begin selecting the map elements of you choosing…

Skill 2: Saving your map

A. You can save your map within ArcMap, by *clicking the save icon or by clicking*

*File > Save or Save As*. This file may be harder to print than an image file of your map.

\* To save a digital image of your map follow these steps by clicking

File > Export Map >… Please name your map and save it to the following folder on you USB drive:

*IGEIN workshop\Data\_IGEIN\_Workshop\My\_IGEIN\_Projects\MyMaps*

*The challenge*

Population is one of the easiest variables to overlook when considering environmental change. Try to come up some GIS data/maps that discuss the general interrelationships between population and environmental quality. You should look at this problem in two ways: 1) the effects of the environment upon people and 2) the effects of people upon the environment.

Step 1: Everyone should start with the following base map *Activity2\_selecting&more*.

Step 2: Figure out a way to make a map that show how our state’s population has changed (everyone should have at least three maps (that you can save to your (My IGEIN Projects Folder) for the following years 1850, 1930, and 2000).

Step 3: Have fun, if you get stuck look over your notes and handouts, and/or ask questions.