

Georeferencing Guide

Name _____

Open Google Earth and locate your community by either zooming in using the controls or by typing in the name, or the latitude and longitude of your community into the Fly to search. Once you have entered this information, Google Earth will take you directly to that location.

Once Google Earth has arrived you will notice that there roads, names and other information on the map. On the left hand side of the Google Earth window is the sidebar. You will notice a menu item called Layers. By checking the boxes in the Primary Database, you can add or remove items from your map. In this activity you will be adding items, so removing a few might not be a bad idea.

Procedure

Step 1. Type the street address of where you live in the Fly to search. Make sure you include the Zip Code. You should see your address highlighted by a square with a + (plus) sign in the middle. On the bottom of the map screen you will see that it says Pointer and then gives the latitude and longitude. Record the latitude and longitude.

Step 2. On the top of the map is a menu bar with an icon that looks like a pushpin. Click on that icon and it will place a pushpin at the pointer location. A window titled Google Earth New will pop up. Fill in the name for this location and some information that you would like to share in the Description window. Notice that the latitude and longitude are given. They should be the same as the ones you recorded in Step 1.

Step 3. Find at least 4 other classmates and get their latitude and longitude. Use Fly to to search and locate those points. Repeat step 3 for each point.

Step 4. Save your data as a kmz file. From the Google Earth main menu choose File > Save > Save Place as Name your file and save it in a location given to you by your teacher. This file will have all the information that you georeferenced. You can share is file with your classmates, and they will be able to learn about the information you recorded.

EXTENSION: You can add pictures and web page links into the Description window. If you know the URL for the webpage or the picture you can copy that into the window and it will display they when you click on the pushpin.

As a class you could georeference school grounds or forest, an area where you did a class field study. You could also do an independent research project using georeferencing.

Data:

Location Name	Latitude	Longitude	Information