

## Geographic Inquiry with Google Earth

### Project Learning Objectives & Skills:

How can the process of geographic inquiry be used to

- examine people and places and their relationship to each other
- examine population patterns and physical, cultural, economic, and regional characteristics of places

The student will use maps, globes, photographs, movies & graphics in order to

- obtain geographical information and apply the concepts of location, scale, and orientation;
- develop and refine his or her mental maps of world regions;
- create and compare political, physical, and thematic maps;
- analyze and explain how different cultures develop different perspectives on the world and its problems;

### Task:

Choose a geographic location on Earth that is the opposite of Newport News. Working with a partner, you will gather and present evidence to defend your choice of this place as opposite from Newport News in the following:

1. People & the Culture,
2. Economics & Industries,
3. Physical Geography - major landmarks or geographic features.

You can use a local area with any size you wish as long as it includes Newport News. You must choose an 'opposite' area which is populated with at least ½ the population of the local area chosen. You will use a wiki to upload and share information with your partner. <http://geographicinquiry.wikispaces.com/>

You will use Google Earth to mark both areas- the local area and the "opposite" area. Then you will measure both areas and find evidence to support your choice for opposites. You can attach movies, sounds, photos, or graphics (charts, or clipart) or small text files to your Google Earth file.

Activities:

1. Complete online Pre-survey – **Grade** – participation 5/8
2. Brainstorm locations for opposites & do preliminary research 5/8
3. Create Tree Map of 3 possibilities with evidence in each area – **Grade** 5/8 Hand-in Folder
4. Decide on opposite area with partner; More Research!
5. Post evidence & ideas on wikis to share with partner – **Grade** 5/14
6. Create double bubble map on Inspiration with preliminary evidence – **Grade** 5/20
7. Research – collect video, photos, etc to use with Google Earth
8. Create .kmz (.kml) file in Google Earth by drawing the 2 areas & adding files. – **Grade** (start 5/22, 28, 30)
9. Present your choice & defend evidence to the class - **Grade** (6/3, 6/5)
10. Rate each other's products - rubric **Grade**
11. Rate partner on Teamwork - rubric **Grade**
12. Podcast or videoconference to present findings to others – if time permits.
13. Post survey – **Grade** participation