

## Layer Cake Island

### End-of-Unit Project

Who?	You may work alone or in groups of two or three.
What?	<p>You will create a “Layer Cake” Island Map. You must have:</p> <ul style="list-style-type: none"><li>➤ <b>Three maps:</b><ol style="list-style-type: none"><li>1. <u>Political</u> – must include clear borders of two or more countries, the names of the countries, and a clear connection to the physical and/or thematic map in terms of its borders. Must have a key and title that describes the information on the map.</li><li>2. <u>Physical</u> – must include at least three physical features. Must have a key and title that describes the information on the map.</li><li>3. <u>Thematic</u> – must clearly identify one theme. The key and title must describe the information on the map.</li></ol></li><li>➤ <b>Latitude and Longitude Lines</b> - These lines must be spaced evenly and be in equal degrees increments (example: 5, 10, 15).<ol style="list-style-type: none"><li>1. Three Latitude lines</li><li>2. Three Longitude lines</li><li>3. A written explanation describing where your island is located in the world. Compare it with a country or body of water, so that I can find its general location.</li></ol></li><li>➤ <b>Projection</b><ol style="list-style-type: none"><li>1. Identification of what type of projection should be used to show the location of the island in a non-distorted state. (Conic, Cylindrical, Polar – use handout from class)</li><li>2. Explanation of why the projection you chose is the best.</li></ol></li><li>➤ <b>Hemisphere</b><ol style="list-style-type: none"><li>1. The two hemispheres that the island is in must be clearly identified.</li></ol></li></ul>
When?	You will work on this in class. It is due at the end of the period on Friday.
Where?	You should use the projections handout from class to determine best projection, the atlases to determine latitude and longitude coordinates and to get ideas for thematic maps, and the classroom for the majoring of your map making.
What materials?	You can use white construction paper, markers, rulers, etc. We need to be able to read it while it is hanging on a wall.
How?	You will be graded by your classmates, yourself, and your teacher.

**See the rubric on the back page for information about how you will be graded.**

Name: \_\_\_\_\_

Peer Reviewed by: \_\_\_\_\_

**Layer Cake Island**

	4	3	2	1
Projections	A global projection identified, conic, cylindrical, or flat plane that portrays the location of the island without distortion. If someone was to use this projection to see the island they would see an accurate image of the island.	A global projection is identified that shows a small amount of island distortion or splitting.	A global projection is identified that shows island distorting or splitting. This may not be the best projection to use to represent the location of the island on the earth	A global projection is not identified or has major warping or significant splitting. Student understanding of projections is weak based on this demonstration.
Latitude and Longitude	3 latitude and 3 longitude lines are accurately identified. They progress in the correct direction in relation to the equator and prime meridian and they progress in equal increments.	3 latitude and 3 longitude lines are identified. There may be minor errors.	1-2 latitude and 1-2 longitude lines are included. There are errors in the counting or representation of the lines on the map	Latitude and longitude lines are not included on the map.
Hemispheres	Student clearly identifies which 2 hemispheres the island is in.		The student identifies which 2 hemispheres the island is in, but one is incorrect	The student identifies 1-2 hemispheres. Both are incorrect.
Political Map	The political map includes two or more countries on the island. Country borders are connected to physical and/or thematic map and explanation is given somewhere on the map. Key is provided. A title is provided.	The political map includes two countries whose borders vaguely relate to thematic and/or physical map.	The political map includes only one country on the island whose borders do not relate to anything in particular	Political map does not have political map characteristics.
Physical Map	The physical map includes three different natural physical features. Key is provided. A title is provided.	The physical map includes 1-2 different natural physical features	The physical map includes one natural physical feature.	Physical map does not have physical map characteristics
Thematic Map	The thematic map clearly identifies the theme. Someone reading the map can easily determine information about the theme using the key and viewing the map. A title is provided.	The map identifies the theme. Someone reading the map can determine information about the theme by viewing the map. Does not have a key or title.	The map's theme may be unclear or the map difficult to read.	Thematic map does not have thematic map characteristics.

**Star (peer review):**

**Step (peer review):**