ESS 200 (Stapleton) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Climate Map Min-Project

Project Group Size: Individual

Rules relating to getting help on this project: You may ask for help with any concept relating to this project. However, you may not point to your continent and ask someone a specific question about your project continent. Instead, find one of the other continents that we have mapped, and ask your question about the same concept as it relates to that other continent.

Overall Goal: Design an isolated continent and create a neat and accurate map of its climate features.

Continent Requirements:

* Must cross the equator.
* Must reach 50 degrees latitude in at least one hemisphere.
* Must be wide enough to have at least one of all of the climates that we have discussed

Project Components:

1. **Design your continent in Rhino**, using the provided template.
2. **Submit a .jpeg file (graphic file) and a .3dm file (Rhino file) of your continent**. Upload these files to your Google Drive, change the shared settings to public, and submit links using the form that you have been provided (form link is also on the project page at mrstapleton.com)
3. **Test a physical model of your continent in the current simulator.** If you *successfully* submit your Rhino file link by the end of class on Thursday, 3/22, a model will be laser cut for you before class on Tuesday, 3/27. Otherwise, you will have to cut out your own model.
4. **Print a copy of your climate map.** You can print directly from Rhino. If your computer does not have Rhino, you can print your .jpeg file.
5. **Create a key for climate features we have discussed in class.** You will be creating a map showing all of those features, and every different climate feature should have its own color and/or pattern.
6. **Create a rough draft map of your continent’s climate features**. This is not technically required, but it is a good idea. Your final map will be graded on neatness/clarity, so in the final stage you should have a completed map to look at, so that you won’t make messy mistakes.
7. **Create a final draft map of your continent’s climate features**.

Grading Criteria: grades will be determined by…

1. Neatness/clarity of map and key
2. Inclusion of a key showing the unique color and/or pattern representing each of the features listed in number 3, below.
3. Inclusion of all features: pressure belts, prevailing winds, warm and cold ocean currents, major deserts and rainforests (year round wet and dry areas), coastal wet areas (due to ocean breezes), rain shadow wet and dry areas, seasonal climates (SDWW and SWWD), and humid climates.
4. Correct placement and configuration of all of the climate features listed above.
5. Difficulty – more difficult continents may be graded more leniently and may possibly receive a modest number of extra points.

Due Date: Monday, 4/2