

Climate Mapping Project – Grading Rubric on front; directions on the back

Overall Goal: Show and explain how to draw a map of a continent’s climate features, and also explain the causes of those features. Create a Google Slideshow featuring a series of 7 video clips. In the videos you point to things and explain (by spoken narration) the climate features of a fictitious continent that you have created.

Scoring:

3 = Excellent; complete with no significant mistakes

1 = Included, but mostly wrong or mostly missing

2 = Mostly correct, but with some mistakes or missing information

0 = Not included at all

0. General Requirements:

____ Your Google Slideshow has an appropriate title
____ The numbered items below appear in the order listed below.

____ **x3 Starting from slide #2, the elements below appear one at a time. In other words, Video number 2 should show only the pressure belts. Video number 3 should show only the pressure belts and winds...**

____ The map remains steady and is easy to see during the video

____ Narration is clear and easy to understand, with adequate volume.

____ **x2 You have consistently pointed out and explained features on your map. Your hands or pointer is visible and helpful.**

____ All items on the map are drawn neatly and clearly enough to be easily understood.

____ Videos have been trimmed appropriately – if needed (cut off the beginning and/or end)

____ Videos were made using Screencastify and a Chromebook.

1. Slide 1 Video – Title, Author, and Introduction:

____ Explain what you are going to do in the rest of the slides.

____ Show the completed map.

2. Slide 2 Video -- Pressure Belts:

____ All pressure belts are included and correctly placed.

____ Explain why the pressure belts exist in these locations.

3. Slide 3 Video -- Prevailing Winds:

____ All of the winds blow in the correct direction.

____ All of the winds have the correct curve.

____ Explain what causes the winds.

____ Explain why winds blow in the general direction that they blow.

____ Explain why the winds curve as you have shown them to curve.

4. Slide 4 Video -- Ocean Currents:

____ At every latitude, currents flow in the correct directions. They do not flow against the wind.

____ The currents have the correct color (warm or cold).

____ Explain why the currents flow in those directions.

____ Explain why some of the currents are warm, while others are cold.

5. Slide 5 Video -- Major Rainforests and Deserts:

____ The rainforest(s) and desert(s) are at the correct latitudes.

____ The rainforests and deserts have the correct shape (smaller on the proper side).

____ Explain what causes the major rainforest and desert climates.

____ Explain why the deserts and rainforests are smaller on one side.

6. Slide 6 Video -- Coastal Wet:

____ Coastal wet climates are in the correct locations.

____ Explain why these areas are wet.

7. Slide 7 Video -- Rain Shadow Wet and Dry Climates:

____ Show the correct wet and dry areas that are associated with the rain shadow effect.

____ Explain why the climate is wet on one side of the mountains and dry on the other side.

____ *Possible* extra points for exceptional quality (creativity, neatness, extra information, etc)

Total Score = _____ / 100

Project Directions:

1. Use the provided template to create a Google Slideshow, and share it with Mr. Stapleton. Submit a link to your slideshow using the Google form that he sent to you.
2. Design a continent that demonstrates all of the climate features we have learned about in class. Your continent...
 - a. ...must cross the equator.
 - b. ...must extend past 40 degrees north or south latitude [It's easiest if it stops between 40 and 50 degrees].
 - c. ...must be wide enough to have all of the climate features – and wide enough for you to show them clearly.
 - d. ...must have a mountain range that will cause a rain shadow effect.
 - e. ...must be unique in shape; different from the practice maps that we have completed in class.
3. Create a black and white version of your basic map. This map version should show only the coastlines, mountains, and lines of latitude. **If you have a printer and/or a copier, you may want to make a copy of this map so that you can print a new one if you need it. If you are at school, Mr. Stapleton can do this for you.
4. Recommended – Before you create your videos, go through the process of mapping all of your continent's features. Create a rough draft copy of all of your continent's climate features.
5. Pressure belts
 - a. Carefully draw only your pressure belts on your main map (which already shows coastlines, mountains, and lines of latitude)
 - b. On separate paper, make some notes relating to what causes pressure belts. You can refer to these as you talk in your video. You can also draw an extra diagram to use, if you want.
 - c. Open the Screencastify app on your chromebook and prepare to make a video explaining your pressure belts. Set up your computer so that your map fills the screen appropriately, and so that you can point at your map and talk during the video.
 - d. Make your video. During your video, point to items on your map as you explain why you have placed the features where you have placed them. For full credit, you must use your hands (or a pointer) to explain.
 - e. You can pause the video as you go.
 - f. Watch your video and trim off any extra parts at the beginning and/or end. You will have to wait for the video to upload before you can do this.
 - g. Open your Google Slideshow, and use the "insert" tab to insert the video on your pressure belts slide. Center it on the slide.
6. Winds
 - a. Now add only your winds to your map. Draw them carefully and neatly.
 - b. Just like you did in step 5, create and insert a video in which you show and explain and your winds. You must explain why the winds blow in the general direction shown, as well as why they curve.
7. Other Features -- Ocean Currents, Major Deserts & Rainforests, and Coastal Wet.
 - a. Add each of these features to your map, one at a time.
 - b. Create a separate video for each newly added feature.
 - c. Insert each video into its corresponding slide in your slideshow.
8. Introduction – do this last!
 - a. When your map is complete, create a video introduction to the project. The introduction will show all of the features that you are going to be explaining in the following slides. Hold your map and gesture to it while you talk into the camera. Insert this video into the first slide of your slideshow.