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

Overall Goal: Create a Google Slideshow featuring a series of 9 video clips. In the videos you show and explain the climate features of a fictitious continent that you have created.

Scoring:
3 = Excellent; complete with no significant mistakes   2 = Mostly correct, but with some mistakes or missing information
1 = Included, but mostly wrong or mostly missing   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.
____   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…

____   Narration is clear and easy to understand, with adequate volume.
____   You have consistently pointed out and explained features on your map.
____   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)

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 why the winds blow in the directions you have shown.
____   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.

8. Slide 8 Video -- Humid Climates:
____   Humid climates are in the correct locations.
____   Explain what causes these climates to be humid.

9. Slide 9 Video -- Summary
____   Briefly summarize your slideshow. (This can be similar to the introduction.)

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

Total Score = _____ / 100

1. 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.
2. 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.
3. 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.
4. 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.
5. Pressure belts
    a. Carefully draw only your pressure belts on your main map (which already shows coastlines, mountains, and lines of latitude)
    b. 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 Screencastify 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.
    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. 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, Coastal Wet, and Humid Climates
    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 and Summary
    a. When your map is complete, create a video introduction to the project. Show all of the features that you will be explaining in separate slides. Do this in Screencastify by simply using "webcam" mode. Hold your map and gesture to it while you talk into the camera. Insert this video into the first slide of your slideshow.
    b. Next create a video conclusion wrapping up your project. Summarize what you did in a second video using "webcam" mode. The only real difference between this summary and your introduction is the tense you will use. Instead of telling what you're going to do, you briefly tell what you already did.