Google Trek Creation

You have caught the travel bug!! Your job is to create a google trek where you will travel to all of the major climate zones that we have discussed in class.

Objectives:

1. Explain how climate is related to weather
2. Identify factors that affect climate
3. Define and describe seasons
4. Explain how scientists classify climates
5. Identify characteristics of different climate zones
6. Explain how natural features and human activity affect climate
7. Identify where each of the major climate zones is located on the globe.

Requirements:

1. **START** – you all will be starting from Wiggins, CO. This will be the first pin on your Google Trek. Make sure that you clearly state the purpose for your trek at this point.
2. At least **SIX** pins on your map – one for each climate zone (polar, dry, humid tropical, moist mid-latitude with mild winters, moist mid-latitude with severe winters, and highland)
3. Include some climate controls at each pin for the specific climate zones.
4. Choose your favorite animal and visit them in their natural habitat. (Example: If my favorite animal was a lion, I could not just go to a zoo…. I would need to go somewhere in Africa where I could see those lions roaming in the wild.)
5. Include *at least* 2 tourist attractions that you could do while visiting *each* climate zone. The tourist attractions should be unique to the particular climate zone that you are visiting. (Be creative and do some research!)
6. Identify the main types of plant life that would be found in each climate. (Include pictures!)
7. Identify the climate that has the most annual rainfall.
8. Identify the climate that has the least annual rainfall.
9. Identify the climate that has the greatest annual temperatures.
10. Identify the climate that has the lowest annual temperatures.
11. Include interesting facts about each of the climate zones when you drop a pin in that zone.
12. **TOTAL** Cost of your trip – flights, rental cars, excursions, expeditions, and any other trips on land to visit various landmarks. This needs to be included in the final pin on your Trek.
13. Be able to answer the following questions at the end of your Trek
	1. *What is climate, and what factors affect it?*
	2. *What are the characteristics of some of Earth’s climates?*
	3. *What causes climate change?*
14. Use external links to *appropriate* websites in order to develop a more complete Trek.
15. Use links to *appropriate* pictures in order to enhance your Trek.

Rubric for Google Trek Creation

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|  | **2 (Weak)** | **4** | **6** | **8** | **10 (Very Strong)** |
| **Creativity** | No pictures or links used in the trek. | Few pictures or links are used in the entire trek. Or unrelated pictures or websites used for the trek | A couple of pictures or external links. Or those pictures and links do not relate to the presentation and experience of the trek. | Several pictures and external websites. Some might not enhance the experience | Several pictures and external websites are used to enhance the overall experience of the trek.  |
| **Content** | Only one of the climate zones is included in the Trek, and information is minimal | Missing multiple climate zones and information about those zones. | Missing several climate zones and / or information about those climate zones is incorrect | All climate zones included but there are a few mistakes in information about climate zones | All climate zones have been included and information about each is detailed and accurate |
| **Presentation** | Reads directly from the presentation, doesn’t answer questions from the class, and doesn’t explain everything clearly. | Often looks at the presentation and reads directly from each point. Unclear explanations of content and can’t answer questions. | Occasionally looks at the presentation and reads each location. Some explanations are unclear or incomplete. Can only answer a few questions from the class | Glances at the presentation a few times but is able to explain mostly without referencing Trek. Clearly explains content and answers questions. | Excited about the content, has eye contact with the audience, explains everything clearly, answers questions from the class. |
| **Conventions** | Too many spelling and punctuation mistakes that it distracts from the content | Spelling and punctuation are often wrong. Many grammar and usage errors are present | Spelling and punctuation are uneven. Grammar and usage are not always correct. | There are one or two spelling and punctuation errors, or one or two errors with grammar usage | Spelling and punctuation are correct. Grammar and usage are correct. Well organized |
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