Important Geologic Site Topics

Here are the things in your research and presentation that you need to cover.

1. Where is it
2. What does it look like
3. How did it form or How was it created
   1. Each topic will have different geologic processes that take part in their formation. Make sure you are only talking about the ones that actually take part in creating your site. Some processes to think about are…
      1. Plate tectonics
      2. Glaciers
      3. Mountain building
      4. Fault movement
      5. Rock formation and Rock types – Importance of them
      6. Creation of or disappearance of oceans (water)
      7. Volcanic activity
      8. Latitude (distance from equator)
      9. Bodies of water (oceans, rivers, lakes, rain, etc)
      10. Erosion
      11. Climatic changes (ex. Ice ages)
      12. Astronomical Impacts
   2. Think about how your site (geology of your site) has changed over time.
   3. Think about how long some things take to happen (use of dates and times is very important to geology)
   4. Make sure you can explain the processes that take place. Example if subduction was part of your geology, make sure you can explain what subduction is.
4. Connection between your sites geology and the ecology of the area.
   1. How does the geology influence the plants, animals, insects, and other life in that area.
   2. How does the geology influence the environment of the area. Some things to think about are the following, but there are lots more to consider.
      1. Precipitation and Humidity
      2. Temperature
      3. Winds
5. Historical and current importance of the site to humans.
   1. How has the site influenced or been used by humans in the past and present. (DO NOT talk about tourism!) Some things to think about are the following. Again make sure to only talk about the ones that are important to your particular site.
      1. Threat to human life
      2. Destruction
      3. Commerce and trade
      4. National Park
      5. Natural resources – Mining, hunting, etc
      6. How humans have used it
      7. How humans have discovered it
      8. How humans have protected or damaged it
6. What current research is being done about or within your geologic site.
   1. Who is doing the research
   2. Why are they doing the research
   3. What specifically are they doing or looking for