**Natural Disaster Guided Inquiry Research Portfolio Project**

**Task:**

*You will be individually researching an earthquake, a volcano and one other natural disaster of your choice (flood, hurricane, tornado, tsunami, etc.) Use the checklists given to focus your research and findings. You must include, but are not limited to, all the information given in the templates.*

*You are not restricted in how you want to display your knowledge. This part is up to you, and in doing so, you will simultaneously be activating your critical thinking and creative thinking core competency skills.*

*You can organize your information for all 3 of your natural disasters in a flow chart, concept (mind) map, journal, research paper, etc. and verify your format with me. You cannot simply take notes on the information you find and submit that as your assignment. You also need to record your sources.*

**Timeline and Due Date:**

|  |  |
| --- | --- |
| **Item** | **Dates:** |
| **Work Period 1 (In Library)**  Earthquake research | *Friday November 30th* |
| **Work Period 2 (In Library)**  Volcanoes research | *Monday December 3rd* |
| **Work Period 3 (In Library)**  Your own choice of Natural disaster research | *Tuesday December 4th* |
| **Work Period 4 (In Library)**  Organize information into a display option | *Wednesday December 5th* |
| **Assignment due** **(In class)**  Complete self eval and hand in work | *Thursday December 6th* |

Criteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Emerging** | **Developing** | **Proficient** | **Extending** |
| **Assess the value and credibility of sources and the adequacy of evidence when comparing differing accounts** |  |  | *Demonstrates a complete understanding of good research with good sources*  ***#1-4*** |  |
| **Assess what can and cannot be answered by particular primary sources** |  |  | *Demonstrates a complete understanding of information from pictures/videos vs information from documents*  ***# 7*** |  |
| **Recognize implicit and explicit judgments in sources** |  |  | *Demonstrates complete understanding around the content of the research*  ***# 8*** |  |
| **Consider prevailing world norms, values, and beliefs in interpreting evidence and perspectives** |  |  | *Demonstrates a complete understanding of social views on the events*  ***# 5+6*** |  |

Total /36

**Information to Research an Earthquake:**

1. The name of your earthquake
2. The geographic location of your earthquake (all that apply)
   1. Continent or Ocean
   2. Country or City
   3. Geographic coordinates
   4. Hemisphere
   5. Tectonic plate(s)
   6. Epicenter
   7. Focus
   8. Measurement on Richter scale
3. Type of fault boundary

* 1. Historical earthquakes on the same boundary

1. Background information/facts
   1. General information, interesting facts

* 1. Description of the area surrounding the earthquake (may include population density, major city, rural, economics of the area)

1. Hazards/Risks associated with the earthquake
   1. Identify hazards that have occurred due to the earthquake
   2. Think about the population density
2. Afterwards
   1. Immediate responses
   2. Local impacts, national, and international impacts (all that apply)
   3. Long-term responses
3. Sketch the type of boundary and include the focus and epicenter
4. Conclusion
   1. Based on what you have learned about your earthquake, what is your prediction for future seismic activity? Why? Be sure to give details to support your prediction.
5. Sources used:

**Information to Research a Volcano:**

* + 1. The name of your volcano
    2. The geographic location of your volcano (all that apply)
  1. Continent or Ocean
  2. Country or City
  3. Geographic coordinates
  4. Hemisphere
  5. Tectonic plate(s)

1. Classification of volcano
   1. By frequency of eruption
   2. By shape
   3. By how it has erupted in the past
2. Background information/facts
   1. General information, interesting facts, myths, legends
   2. Description of eruptions

* 1. Eruption history (how often and when it last erupted)

* 1. Description of the area surrounding the volcano (may include population density, major city, rural, land usage, economics of the area)
  2. Identify plates that have interacted to form your volcano

1. Hazards/Risks associated with the volcano
   1. Identify hazards that have occurred in the past with your volcano or could occur in the future.
   2. Think about the population density, your volcano’s eruption history, and the area around your volcano to determine the amount of risk that is associated with your volcano.
2. Afterwards
   1. Immediate responses
   2. Local impacts, national, and international impacts (all that apply)
   3. Long-term responses
3. Draw a sketch of the shape and features of your volcano
4. Conclusion
   1. Based on what you have learned about your volcano, what is your prediction for future eruptions? Why? Be sure to give details to support your prediction.

Sources used:

**Information to Research a Natural Disaster:**

***(ex: Hurricane, Tornado, Tsunami )***

1. The name of your natural disaster

2. The geographic location of your natural Disaster (all that apply)

* 1. Continent or Ocean
  2. Country or City
  3. Geographic coordinates
  4. Hemisphere

1. Background information/facts
   1. General information, interesting facts, myths, legends
   2. Description of disaster

* 1. Disaster history (how often and when it last happened)

* 1. Description of the area surrounding the disaster (may include population density, major city, rural, land usage, economics of the area)
  2. What caused this natural disaster to occur

1. Hazards/Risks associated with the natural disaster
   1. Identify hazards that have occurred in the past with your disaster or could occur in the future.
   2. Think about the population density, your disaster’s history, and the area around your disaster to determine the amount of risk that is associated with your disaster.
2. Afterwards
   1. Immediate responses
   2. Local impacts, national, and international impacts (all that apply)
   3. Long-term responses
3. Draw a sketch of the natural disaster
4. Conclusion
   1. Based on what you have learned about your natural disaster, what is your prediction for future occurrences? Why? Be sure to give details to support your prediction.
5. Sources used: