Geology 12 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Blk: \_\_\_

**TELLING THE STORY OF AN IGNEOUS STRUCTURE**

*Storytelling about science.*

*Using narrative inquiry to inquire about scientific concepts.*

**Task**: to inquire into an igneous structure, and write a story to showcase your learning.

1. **CHOOSE AN IGNEOUS STRUCTURE (Extrusive or Intrusive) that you are interested to inquire**

*INQUIRY QUESTION:*

1. **RESEARCH**

* For your to consider in your narrative:
  + **Magma/Lava composition**
    - *felsic/inter/mafic/ultra?*
    - *how they might change…*
  + **Igneous** **rock types?**
  + **Igneous rock** **textures?**
  + **Type of eruption?**
  + **Igneous structures?**
  + *Intrusive* – sills, dykes, batholiths, xenoliths, how magma rises?
  + *Extrusive* – **volcano**es, lava flows, eruptions?
  + **Information**
* Type of intrusion/volcano and current status *(active, dormant, extinct)*
* Location in the world
* Plate Tectonics location and formation
* Cultural connections
* Potential dangers, previous eruptions, casualties, damage
* Reference List – with sources in APA format

1. **WRITE a NARRATIVE and/or BUILD SOMETHING**
   * Your narrative/story can be about:
     1. A story of how your igneous structure formed
     2. A fictional story of experiencing your subject
     3. The story of your inquiry into your subject
        1. *Tell the story of your building a volcano!*
        2. *Tell the story of your research?*
   * What makes a good story? Include a balance of storytelling and science.
   * **Draw the reader in**, draw on emotions and experiences.
   * Have a beginning, middle, and end.
   * Your story can be fiction or real.
   * Include details about setting, characters, action, and connections to the science.
2. **UPLOAD to Scolantis**

**ASSESSMENT RUBRIC:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7** | **6-5** | **4-3** | **2-1** | **0** |  |
| \*\* | Your Story **communicates** scientific ideas successfully and uses appropriate scientific language. It is complete and effective. | Your Story is somewhat complete and effective. It mostly **communicates** scientific ideas well and sometimes uses appropriate scientific language. | Your Story is incomplete. It sometimes **communicates** scientific ideas and rarely uses appropriate scientific language. | Student does not meet any of the descriptors | **Your STORY is complete and effective.**  **Communicate scientific ideas and information, and using appropriate scientific language.** |
| \*\* | **Discusses** in detail the connections between your story and the science of Igneous Rocks. | **Summarizes** the connections between your story and the science of Igneous Rocks. | **Outlines** the connections between your story and the science of Igneous Rocks. | Student does not meet any of the descriptors | **Use knowledge of Igneous Rocks and Structures to draw conclusions that are consistent with evidence.** |
| Document sources **completely** (including **both** reference list and in-text citations in APA) | **Usually** document sources **correctly** (includes a reference list in APA) | **Sometimes** document sources **correctly** (includes a limited reference list) | Document sources, **with limited success** | Student does not meet any of the descriptors | **Critically analyze the validity of information in primary and secondary sources** |