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** |