Earth Science 11 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Blk: \_\_\_\_\_\_

**VOLCANOLOGY RESEARCH PROJECT**

Your task is to choose a volcano, research its eruptive history, and display your knowledge - comparing your volcano to another of a different type. Decide how to display your findings in a unique and engaging way.

**Your project must include:**

* A **list of sources** properly documented and attached to your project.
* The use of text **and** non-text *(images, models, video, web-based…)*
* A sufficient amount of accurate **information** on your volcano.
* A **comparison** with another volcano of a different type (*eg. shield vs composite volcano*)

**Questions to help guide your research:**

1. What is your **volcano**’s name, location, height, age, activity (*active/dormant/extinct*)?
2. What **type of volcano** is your volcano? Describe the type of magma and type of eruption.
3. Which **plate boundary** (or hot spot) is your volcano located on? How did it form?
4. When did your volcano **erupt** in the past?
5. What volcanic **hazards** occurred? *(pyroclastic flows/ash/mud flows/lahars/lava bombs…)*
6. What **damage** did your volcano cause? *(death, building destruction, landslides…)*

**Possible volcanoes to choose from are:**

***Mount Garibaldi, BC***

***Mount St Helens, Washington***

***Mount Baker, Washington***

***Mount Rainier, Washington***

***Yellowstone Caldera, Wyoming***

***Mount Kilauea, Hawaii***

***Mauna Loa, Hawaii***

***Mount Etna, Italy***

***Mount Vesuvius, Italy***

***Santorini, Greece***

***Eyjafjallajokull, Iceland***

***Mount Nyriagongo, Africa***

***Mount Fuji, Japan***

***Mount Tambora, Indonesia***

***Krakatoa, Indonesia***

***Mount Pinatubo, Philippines***

***Mount Erebus, Antarctica***

***Olympus Mons, Mars***

***Io, moon of Jupiter***

***Enceladus, moon of Saturn***

**How you will be assessed:**

**Criterion B: Communications in Science Criterion C: Knowledge and Understanding of science**



