

VOLCANOLOGY RESEARCH PROJECT

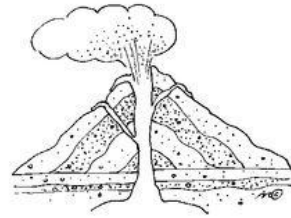
Your task is to choose a volcano, research its eruptive history, and display your knowledge (comparing your volcano to another of a different type.) Decide how to display your findings in a unique and engaging way.

Your project must include:

- A **list of sources** properly documented and attached to your project. (APA preferred)
- The use of text **and** non-text media (*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:

- | | | | |
|--|---|---|---|
| <p><i>Mount Garibaldi, BC</i>
 <i>Mount St Helens, Washington</i>
 <i>Mount Baker, Washington</i>
 <i>Mount Rainier, Washington</i>
 <i>Yellowstone Caldera, Wyoming</i></p> | <p><i>Mount Kilauea, Hawaii</i>
 <i>Mauna Loa, Hawaii</i>
 <i>Mount Etna, Italy</i>
 <i>Mount Vesuvius, Italy</i>
 <i>Santorini, Greece</i></p> | <p><i>Mount Nyriagongo, DR Congo</i>
 <i>Lake Nyos, Cameroon</i>
 <i>Mount Fuji, Japan</i>
 <i>Mount Tambora, Indonesia</i>
 <i>Krakatoa, Indonesia</i></p> | <p><i>Eyjafjallajokull, Iceland</i>
 <i>Mount Pinatubo, Philippines</i>
 <i>Mount Erebus, Antarctica</i>
 <i>Olympus Mons, Mars</i>
 <i>Io, moon of Jupiter</i></p> |
|--|---|---|---|

How you will be assessed: CRITERIA FOR SUCCESS!

	9-10	7-8	5-6	4 and below
List of Sources	Student has fully documented a wide range of sources correctly (5 or more, APA)	Student has documented a range of sources (3-5 sources)	Student has documented sources (1-3 sources)	Student does not include a list of sources. (0 sources)
Volcano Information	Student investigates deeply the history of their volcano - the formation, composition, and eruption in detail. Includes detailed information on: -volcano details -type of volcano & magma -plate boundary location -past eruptions -volcanic hazards -damage and devastation	Student investigates the history of their volcano - the formation, composition, and eruption in detail. Includes most information on: -volcano details -type of volcano & magma -plate boundary location -past eruptions -volcanic hazards -damage and devastation	Student investigates their volcano - its formation, composition, and eruption. Includes some information on: -volcano details -type of volcano & magma -plate boundary location -past eruptions -volcanic hazards -damage and devastation	Student is missing much information on their volcano: -volcano details -type of volcano & magma -plate boundary location -past eruptions -volcanic hazards -damage and devastation
Project Criteria	Student effectively demonstrates their knowledge, using both text and non-text media . Students include an appropriate comparison with another volcano of a different type. Much effort was apparent!	Student demonstrates their knowledge, using both text and non-text media . Students include a comparison with another volcano of a different type. Effort was apparent!	Student somewhat demonstrate their knowledge, using both text and non-text media . Students include a comparison with another volcano. Some effort was apparent.	Student does not demonstrate their knowledge, using either text or non-text media . Students did not include a comparison with another volcano of a different type. Effort was not apparent.

