**Volcano Research Project**

**Objective:** To research one type of volcano and become an expert on that volcano and the processes that form it.

**Directions:** You will be assigned to a specific active volcano and research information pertaining to the questions posed below.

**Requirements:** You will create a poster for your volcano. Neatness and creativity will count towards the grade. If the poster looks like little to no effort has been put into it, your grade will reflect that. All questions must be researched and answered on the poster and a work cited page must be included on the back of your poster (with your name and period) for full credit. At least 4 pictures are required for full credit. More is encouraged.

**Questions:**

1. What is the name of your volcano and where on the planet is it found? What type of volcano is it? How does this type of volcano form?
2. Is it associated with a specific plate boundary? If so, what type of plate boundary is it associated with? Where on the planet is this plate boundary located?
3. What is happening in the Earth’s crust (at that plate boundary) that forms this volcano?
4. When did it erupt last? How often does it erupt?
5. Is it found in a populated area? If so, how does it affect the people that live near it?
6. Is it a dangerous volcano? What type of magma (mafic, felsic, etc…) does it produce? How fast can the magma flow? What causes it to be either explosive or non-explosive?
7. What are the precautions and emergency procedures that take place before and during a volcanic eruption? Are there any other natural disasters (long and short term) that can occur due to a volcanic eruption?
8. Have there been any major fatalities associated with the eruption of this volcano in the past?
9. Can scientists predict a volcanic eruption? If so, how? What pieces of information do they use to help them make these predictions?

**Web Resources:** This is not an exhaustive list, but do not use Wikipedia!

<http://volcanoes.usgs.gov/about/volcanoes/volcanolist.php>

<http://volcano.oregonstate.edu/>

<http://volcano.si.edu/reports_weekly.cfm>

<http://www.weatherwizkids.com/weather-volcano.htm>

<http://www.noaawatch.gov/themes/volcanoes.php>

<http://www.volcanodiscovery.com/>

<http://geology.com/volcanoes/>

<http://science.nationalgeographic.com/science/>

Active Volcanoes

Mauna Loa Volcano

Taal Volcano

Mt. Merapi

Santa Maria

Ulawun

Galeras

Sakurajima

Mt. Nyiragongo

Mt. Vesuvius

Yellow Stone Caldera

Mt. St. Helens

Mount Sinabung

Eyjafjallajokull Volcano

Mount Rainier

Mt. Shasta

[Glacier](http://volcanoes.usgs.gov/vsc/glossary/glacier.html) Peak

**Rubric:**

All questions answered...……..…..20 points…….Your score out of 20: \_\_\_\_\_\_\_

At least 4 pictures…………….…….8 points…….Your score out of 8: \_\_\_\_\_\_\_

Work Cited on back of poster….…..4 points…….Your score out of 4: \_\_\_\_\_\_\_

Effort/Neatness/Creativity…..……..8 points…….Your score out of 8: \_\_\_\_\_\_\_

Total score out of 40 points: \_\_\_\_\_\_\_

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All questions answered...……..…..20 points…….Your score out of 20: \_\_\_\_\_\_\_

At least 4 pictures…………….…….8 points…….Your score out of 8: \_\_\_\_\_\_\_

Work Cited on back of poster….…..4 points…….Your score out of 4: \_\_\_\_\_\_\_

Effort/Neatness/Creativity…..……..8 points…….Your score out of 8: \_\_\_\_\_\_\_

Total score out of 40 points: \_\_\_\_\_\_\_

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Work Cited on back of poster….…..4 points…….Your score out of 4: \_\_\_\_\_\_\_

Effort/Neatness/Creativity…..……..8 points…….Your score out of 8: \_\_\_\_\_\_\_

Total score out of 40 points: \_\_\_\_\_\_\_

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Effort/Neatness/Creativity…..……..8 points…….Your score out of 8: \_\_\_\_\_\_\_

Total score out of 40 points: \_\_\_\_\_\_\_