

Volcano or Earthquake project- with a partner (P1 and P2)

1. Make a poster about a famous earthquake or volcano.
2. Make a 3-d model that relates to the EQ or volcano.

Poster criteria-

1. Discusses impacts of volcanic eruption or earthquake- words 15 pts, pictures 5 pts
 - a. Death toll, injuries (P1)
 - b. How the people were injured or died (P1)
 - c. Damage to buildings, roads etc. (P2)
 - d. Damage to land (P2)
2. Discusses basic geology (plate tectonics) of the event- words 15 pts, pictures 5 pts
 - a. What- EQ magnitude or volcano type (P1)
 - b. Where (P1)
 - c. When (may be more than once) (P2)
 - d. Why/how type of plate boundary, ejection material, land features etc. (P2)
3. Discusses what we learned from the event, and what has changed since the event- words 15 pts, pictures 5 pts (these are worldwide changes- not changes necessary for your specific event)
 - a. Changes in: building codes, where towns are built, ground structure (P1)
 - b. Emergency procedures/kits (P1)
 - c. Early warning systems (P2)
 - d. Monitoring websites/apps (P2)
4. History of the area. 5 points
 - a. Who or what is the meaning of the fault or volcano name. (P1)
 - b. Population in the area around the event. Then and now. (P1)
 - c. What is the industry/ economy of the area? Then and now. (P2)
 - d. Money made from tourism / park in the area. (P2)
5. Organization of poster 5 points (P1 and P2)
6. Presentation of poster 20 points (P1 and P2)
 - a. Rehearsed, organized
 - b. Good voice, eye contact
 - c. Time- 5- 10 min total for both partners
 - d. Both partners must present
 - e. Order of presentation drawn out of a hat.

7. References 5 points (P1 and P2) separate
 - a. Cited correctly
 - b. At least 10 references. (5 each)
 - c. 2 references from books and magazines (1 each)
 - d. 8 other online sources (4 each)
 - e. Put on back of poster
8. Each partner needs to come up with 2 multiple choice, 1 short answer and 1 opinion question from your poster information. Provide answers. These questions and answers need to be posted to canvas. 10 points (P1 and P2) emailed separately. **Due on Feb 19th 2:30 pm**
9. 3-d model ideas 20 points (P1 and P2) one model **worked on together in the classroom.**
 - a. Emergency kit
 - b. Volcano model
 - c. Plate boundary model
 - d. Model building
 - e. Pyroclastic flow or tsunami model
 - f. Own seismograph
 - g. Survival pamphlet
 - h. Video- you as actor(s) what to do in an EQ or volcano
 - i. Anything else approved by teacher

Worth 60 test points – 2.5 points extra credit

Ten homework points will be given daily for research time.

Due date Wednesday February 21st start of the hour

This is a long-term assignment: no exceptions to the due date. Late projects are automatically 50% off and 10% off every day thereafter.

Schedule

Day 1: research in the library-

Day 2: research in the library-

Day 3: print in the library-

Day 4: make poster and model in classroom- submit questions on canvas

Day 5: final touches

Day 6: presentations

Name _____ P1 or P2
Partner _____ P1 or P2

Top 3 volcanoes interested in studying

- 1.
- 2.
- 3.

Top 3 earthquakes interested in studying

- 1.
- 2.
- 3.

from 1- 6 your preference order of which event
you would like to study