ES 11 **Volcano Assignment**

Alone or in pairs, showcase a volcano from the list or one of your choice. Research some information and create a diorama (model). You will present to peers in a gallery walk. Use text book page 259-263 and or internet for sources of information. You will have ONE library class for your research and TWO classes to create model, paint, assemble. Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Title** – Volcano, your name. (1pt)
2. **Location** - nearest city, country, continent. Include a map. (2pt)
3. **Name of the plates** involved and **type of boundary** or Hot spot. (1pt)
4. **Type of volcano** - Cinder cone, Composite, Shield). Include a BRIEF description of your type. (2pt)
5. **Type of eruption** - Explosive or Effusive, what can you infer about the composition of its magma?. (1pt)
6. **Type of eruptive material** - tephra, lava, ash, lahar, pyroclastic flow...(1pt)
7. **Frequency** – regular eruptions or just one? Include a list of date(s) (or at least the last 10) of last eruption(s). (1pt)
8. **Consequence of eruption** – hazards encountered by nearby population: covered in lava/ash, crops destroyed, death toll, landslides, earthquakes, etc... (2pt)
9. Diorama – model of your volcano with eruptive material (type of volcano and material must match your description). Include landscape, ocean, people, etc.

* Written information will be concise (point form) and in your own words, no paragraphs
* Everything fits in the box
* Use the whole box. Use colour, use different textures and materials. Paint, playdough, rocks, sticks, paper mache.

1. Mt. Etna
2. Mt. Fuji
3. Eyjafjallajökull, Iceland
4. Pico de Fogo, Cape Verde
5. Pacaya, Guatemala
6. Mount Vesuvius, Italy
7. Villarica, Chile
8. Shishaldin, Alaska
9. Mount Bromo, Indonesia
10. Stromboli, Sicily
11. Mount Ruapehu, New Zealand
12. Cotopaxi, Ecuador
13. Isabela Island, Galapagos
14. Mount Mayon, Philippines
15. Krakatoa, Indonesia
16. Agung, Indonesia
17. Poás, Costa Rica
18. Mount Yasur, Vanuatu
19. Mauna Loa
20. Yellowstone
21. Kawah Ijen Volcano
22. Mt. St. Helens
23. Mount Rainier
24. Mount Vesuvious
25. Tamu Massif,
26. Mauna Kea
27. Ojos del Salado
28. Kilauea
29. Chaiten Volcano
30. Mount Cleveland
31. Pavlof volcano
32. Mount Agung
33. Dallol Volcano
34. Galeras volcano
35. Kick ‘em Jenny
36. Maar
37. Your Choice