

Volcano Model & Research Project

What to Do

Research a volcano from around the world. Students will choose a volcano they wish to research. Create a poster about your volcano. Finally, create a working model of your volcano that can erupt. Be creative when you present the model of your chosen volcano.

Part 1: Volcano Research Project: Create a poster to inform others about your volcano. **The poster with information is worth 60 points.**

1. You will choose a volcano to research by pulling a name from the Volcano Project Box.
2. Use the internet to find out the following information about your volcano here is a helpful website: <https://geology.com/volcanoes/>
 - What continent or ocean is your volcano located?
 - If it is on land, what country is it located?
 - Is it formed due to a hot spot or a plate boundary? (if plate boundary, what type?)
 - What type of volcano is it? (shield, cinder cone, or composite)
 - What is the elevation of your volcano?
 - When was the last time the volcano erupted?
 - How often does it erupt?
 - What is located around the volcano? Is it near an urban area or rural area?
 - Have there been any deaths due to eruptions?
 - Include four interesting facts about your volcano.
 - Include a picture of your volcano.
 - Include a picture of the location of your volcano.
 - Include four pictures of you and your partner building the volcano.
3. Create your poster.

Part 2: Create a working model of your volcano.

Requirements

Your model should have a shape like the type of volcano you researched. Ex. If you researched a shield volcano, it should have a wide base and gently sloping sides. Your model must be able to erupt. The model of your volcano should not be bigger than a school desk. Points will be deducted if it is too big. Decorate your model creatively. Volcano eruptions will be on the day of presentation using the vinegar and baking soda. **The model is worth 40 points.** A suggestion for what the model of a volcano looks like is given. **Due Date Check Web Calendar.**

Instructions to build volcano:

Cut cardboard circle to center and cut a hole the size of a 16. Oz. plastic cup.

Curve the circle a little or a lot depending on type of volcano. Staple together.

Put a magma chamber (16 oz. plastic cup) through the hole and tape on.

Tap volcano onto cardboard base.

Put Plaster of Paris over top. To make the Plaster of Paris recipe use 2 scoops of powder and 90 ml. of water,

After the Plaster of Paris dries, paint to fit designated volcano.

Decorate area around your volcano creatively.



Good Luck and Have Fun!!!