

Year 6 Project for Week commencing 18.1.2021

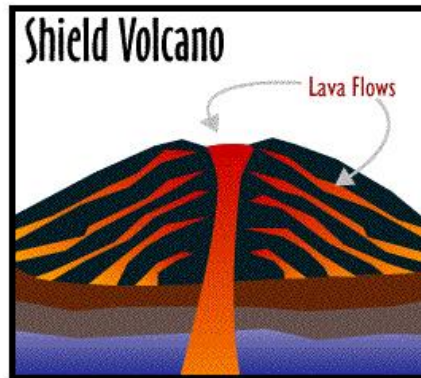
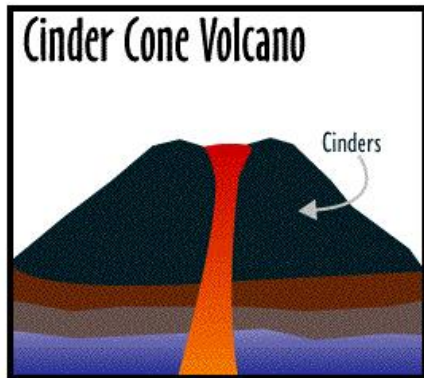
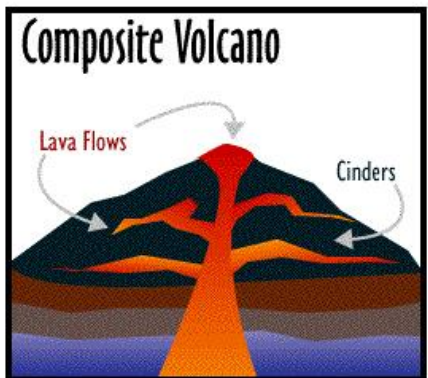
Create your own DIY Volcano and see if you can make it erupt

Over the last two weeks you have been looking a lot at volcanoes and the different types that exist. So we would like you to choose one of those types of volcano and create a model version.

For example:- If you chose a Cinder Cone Volcano then your model would need to resemble that volcano

On the next few slides there will be instructions on how to create your volcano models

Please use this week's daily project time of 45 minutes each day to complete this work.



What you need to do...

What you will need to make your Volcano:

- A small to medium plastic bottle
- Some paper or card
- Glue
- Tape
- Paint/colouring pencils/pens



There are two ways in which you could choose to create your volcano; with card or with papier-mâché.

- Start with your plastic bottle and take the cap off
- to make the basic shape of a volcano cut the middle of the plastic bottle out and then overlap the two ends together securing it with masking tape.
- Then you can either use papier-mâché to build up the layers of your volcano or use card to create the volcano shape.
- You then need to wait for your volcano to dry so you can decorate them to make them look like volcanos with paint and colour. (You could even add some landscape around the bottom)



Remember to take a picture of your Volcano once it has dried and then again once you have decorated it. Your class teacher will want to see it.

Now it is experiment time

Now that you have made your volcano (And taken a picture of it for your class teacher) it is time to make your volcano erupt

You will need:

- 1 tbsp bicarbonate of soda (baking soda)
- 1 tbsp washing up liquid
- 2 tbsp water
- ½ cup vinegar
- 1 tbsp red food colouring

These may need to be altered based on bottle size inside volcano.

This can also be conducted using fizzy drink (such as coke but not sugar free drinks) and mentos if that is how you would like to do it.



See if you can video your experiment!

How to do it:

1. Combine the bicarbonate of soda and washing up liquid. Add the water and mix thoroughly. Pour this mixture into your volcano.
2. In a cup, mix the vinegar and food colouring.
3. When you're ready, pour the vinegar into the bottle with the bicarbonate. Wait for it to erupt and watch how the lava flows.
4. Experiment with different amounts of bicarbonate and vinegar and see how the volcano's eruption changes. (Can be repeated two or three times)
5. In your exercise books create a scientific table for your results and write yourself a conclusion (so what happened and why?).

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Parents please could you take some time to grade your child's work and send feedback to your child's class teacher.
Many thanks, we hope that they have enjoyed learning about volcanoes and completing this mini project this week
and that they have taught you something about the science of volcanoes

Name	Class	Date	
Presentation (Score 1 - 5) Is it neatly presented with a clear resemblance to a volcano? Is it colourful?	Effort (Score 1 -5) Did they spend a lot of time / take care completing it?	Science (Score 1-5) Was the experiment successful? What were the findings?	Total / 15