

Week commencing Monday 29th June 2020

LO: To create an underwater volcano



QUESTION: How does a volcano work?

What is a volcano?

A volcano is a mountain with a large, circular hole at the top through which lava (hot liquid rock) gases, steam and dust are or have been forced out.

Follow these links to learn and read a little bit more about volcanoes-

Volcanoes- <https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc>

Volcanoes- weather whizz kids <https://www.weatherwizkids.com/weather-volcano.htm>

All about volcanoes- <https://www.youtube.com/watch?v=K7Oq9 DU1Mc>

What information or facts do you know about volcanoes?

Complete a thought bubble, identifying all that you know.

Task: You are going to create a colourful underwater volcano using the suggested resources. Using the information you have gathered from the video link, think about what causes the reaction for this underwater volcano.

You can record the outcome of your task however you like e.g. pictures, photos, video, writing, tables, diagrams.



The method

1. Cut a two-foot length of string with a pair of scissors. Tie a knot around the neck of a salt shaker with one end of the string. Double-knot it to ensure the knot is secure. Repeat this process with the other end of the string, resulting in a handle to lower your shaker. [L] [SEP]
2. Empty and clean a large jar. Fill the clean jar about three quarters full with cold water. [L] [SEP]
3. Fill the salt shaker with hot water (with adult supervision) – as hot as you can get from your tap – to just below the neck. Add three to four drops of red food colouring. [L] [SEP]
4. Hold your salt shaker over the mouth of the jar by the string handle. Slowly lower the salt shaker into the jar until the shaker is completely submerged and resting upright on the bottom [L] [SEP] of the jar. Observe how the coloured water erupts from the shaker into the cold water. [L] [SEP]

You will need:

- String
- Scissors (with adult supervision)
- An empty salt shaker or anything similar
- A large jar
- Food colouring (preferably red)

Here are some useful videos on alternative ways to make underwater volcanoes.

- How to make an underwater volcano: <https://www.youtube.com/watch?v=6q7N8-Nh4pA>
- Underwater volcano science experiment: <https://www.youtube.com/watch?v=O2Qq71ohhkM>