

# Volcano Experiment

## What you will need:

- 1 tbsp. bicarbonate of soda
- 2 tbsp. warm water
- 1 tbsp. red food colouring
- ½ cup vinegar
- 1 tbsp. washing up liquid
- Plastic bottle
- Glue
- Newspaper
- Masking tape
- Paint
- Cardboard box



Start by placing your plastic bottle into the middle of the cardboard box. Scrunch up some newspaper and place it around the water bottle. Use the masking tape to stick the newspaper to the bottle. Next tear or cut some newspaper into strips and glue the strips of newspaper on top of the crumpled newspaper and the masking tape around the bottle. This is called papier-mâché. Use the strips of paper to build up your volcano. Keep adding layers to the volcano and leave overnight to dry.

When dry paint the hardened newspaper brown and red and then wait for the paint to dry.

Once everything is dry, place your volcano on a waterproof surface e.g. plastic tablecloth – or take it outside. Add bicarbonate of soda and washing up liquid to the bottle followed by orange or red food colouring in warm water and lastly add the vinegar... then watch the volcano erupt! Using the bicarbonate of soda mixed with vinegar creates a reaction. Experiment with different amounts of bicarbonate and vinegar and see how the volcano's eruption changes.

## What are the children learning?

Through creative play, I explore different materials and can share my reasoning for selecting materials for different purposes. **SCN 0-15a**

- Select appropriate samples
- Recognise simple cause and effect
- Follow simple instructions.

I have the freedom to discover and choose ways to create images and objects using a variety of materials. **EXA 0-02a**

- Use knowledge gained to select materials and tools to create a piece of visual art.
- Gain confidence to explore and experiment with materials and technology to discover their potential and purpose