



## MAKE YOUR OWN VOLCANO!

To make your own volcano, you will need:

### For the volcano

- a strong piece of board (like hardboard or thick cardboard)
- lots of old newspaper
- a film container
- sticky tape or glue
- (optional: aluminium foil, paint - brown, green and grey, spray glue, sand and clear varnish)

### For the lava

- some bicarbonate of soda or bread soda
- a bottle of vinegar (malt works best)
- red food colouring

### Method:

1. Make a ball with some newspaper and securely tape it to the centre of the piece of card.
2. On top of the ball, tape the film container so that the open end is at the top, and the tube stands up vertically on the ball, which will act as a base.
3. Build up a cone shape around the film container using different sized balls of rolled up newspaper, making sure the top is level with the centre of the tube. Tape or glue the balls in place to stop them from coming apart.
4. Once you have created a good cone shape (don't make it too symmetrical), cover the whole structure with a sheet of newspaper and secure it with some sticky tape.
5. Make a hole in the sheet where the opening of the film container is.

### Making your volcano erupt:

1. Place a small amount of bicarbonate of soda (half teaspoon) in the bottom of the film container.
2. Add a couple of drops of food colouring to some vinegar (~2-4 teaspoons),
3. Pour into the film container and watch the thick, bubbly lava flow down your volcano!

### For a more realistic look for your volcano:

1. You can cover your volcano with aluminium foil instead of a newspaper sheet. (It's a good idea to scrunch the foil up a bit, to give the surface of your volcano some texture.) Secure the foil in place with some sticky tape or glue.
2. You can also paint it with brown, green and grey paint. Once the paint is dry, the surface can be given an even more realistic texture by spraying it with glue and sprinkling some sand on to it.
3. If you want your volcano to last numerous eruptions over an extended time, you may want to strengthen the surface by giving it a couple of coats of clear varnish.