

Science Bugs love to explore the world through experiments. Experiments make science fun and exciting for everyone by encouraging natural curiosity about our world. Science can explain how things move, grow, change and work. Sometimes experiments work really well, and sometimes the unexpected can happen – it is all part of science! When things do not turn out as planned we just need to ask WHY!

Volcano Activity

A **volcanologist** studies everything about volcanoes, from where they are, how hot they are, what colour they are and when they might erupt. It is very exciting to be a volcanologist.

Materials and ingredients

- Vessel - plastic bottle, cup or volcano to hold ingredients
- Tray to place vessel in (to collect the erupting lava)
- Mixing stick
- Half cup water
- 3 teaspoons Bicarbonate of Soda
- 1 teaspoon red food colouring
- 4 squirts liquid soap
- 1 cup vinegar



Instructions

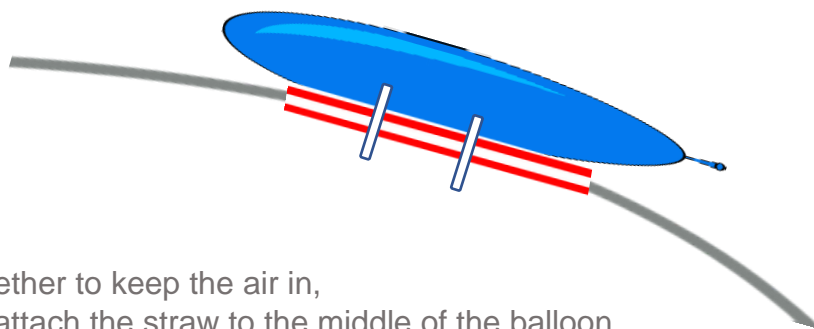
- Add ingredients in order – water, bicarb soda, food colouring, soap
- Mix thoroughly
- Add vinegar, stand back and watch the lava erupt!

Rocket Balloon Activity

An **Astronaut** can travel into space in a rocket ship, they can walk on the moon and some of them live in space on a special Space Station designed to study the stars, the moon and the planets. An astronaut has a very exciting job.

Materials

- Long party balloon
- Plastic straw
- Sticky tape
- String the length of the room



Instructions

- Blow up balloon and tie/fix together to keep the air in,
- Use 2 pieces of sticky tape to attach the straw to the middle of the balloon,
- Thread the string through the straw,
- Place 2 children at one end of the room holding the string tightly,
- Place 2 children and a teacher at the opposite side of the classroom holding the balloon and the other end of the string tightly,
- On the count of 10 release the air from the balloon and watch it rocket across the room.

