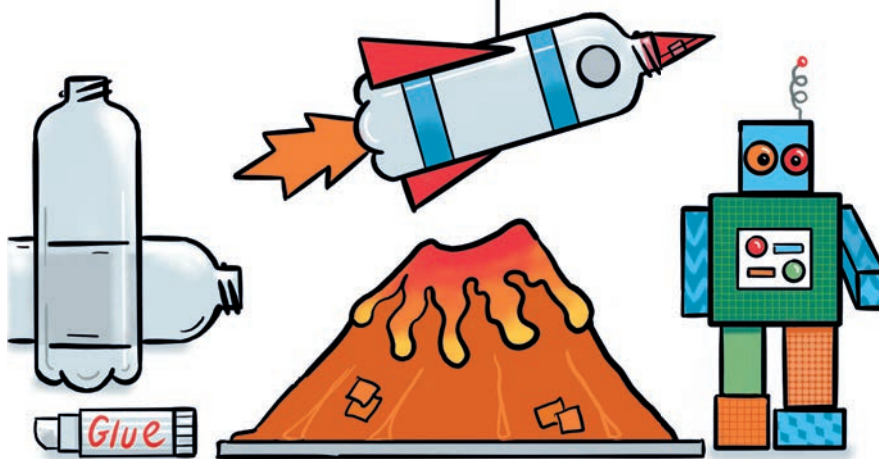


## Junk modelling

Before the club, collect together lots of junk items, such as boxes, eggboxes, cardboard tubes, foil, scraps of fabric, yogurt pots – indeed, anything clean from your recycling bin! You will also need sticky tape, glue sticks, scissors, coloured paper, felt-tip pens and other art materials. For each experiment, challenge the Scientists to create a different model from the junk provided!



- **Experiment 1:** an erupting volcano (mirroring the exploding experiments they have done) or something general about science
- **Experiment 2:** a rocket or space station

- **Experiment 3:** something that gives off light, such as a lighthouse
- **Experiment 4:** an animal
- **Experiment 5:** a robot

You could choose to have one project that runs over all the sessions of **Wonder Zone**. Challenge the Scientists to create an ingenious machine that achieves a specific aim, such as moving an egg from one point to another.

## Activities based on daily themes

### Experiment 1

#### Splash paintings

##### What you need

- large sheets of paper
- poster paint in different colours
- unused toothbrushes
- pipettes (optional)
- cover-up and clean-up equipment

##### What you do

- 1 Cover your table or space with newspaper (or do this activity outside).
- 2 Give out the paper and show the different colours of paint. Explain to the children how to dip the toothbrushes into paint and flick it so that it sprays on to the paper. Explore how it looks like a fountain or explosion.
- 3 Encourage the children to experiment with different colours to create different patterns. If you have pipettes, help them to squeeze paint into the pipette and then squirt it on the paper to create a different fountain pattern.
- 4 As you work, chat about what the children have explored so far, including the exploding experiment in Lab practice.

