

Science

Science in KS3 is an exciting time where you will carry out experiments and try to better understand the world around you. We will introduce you to new pieces of equipment and carry out chemical reactions! The first part of your time at Tollbar Academy will be learning how to stay safe in the lab! You can prepare for your time at Tollbar by looking at the following activities. Remember science is all around us and can be done anywhere. Below is a simple experiment you might like to try!

Activity 1

See if you can name the following pieces of lab equipment. Use the words below to help.



Bunsen Burner

Beaker

Thermometer

Measuring Cylinder

Activity 2

Make your own lava lamp



Tollbar Academy

What you'll need: IMPORTANT ADULT SUPERVISION AT ALL TIMES

- Water
- A clear plastic bottle
- Vegetable oil
- Food colouring
- Alka-Seltzer Tablets (or other tablets that fizz)

Instructions:

1. Pour water into the plastic bottle until it is around one quarter full (you might want to use a funnel when filling the bottle so you don't spill anything).
2. Pour in vegetable oil until the bottle is nearly full.
3. Wait until the oil and water have separated.
4. Add around a dozen drops of food colouring to the bottle (choose any colour you like).
5. Watch as the food colouring falls through the oil and mixes with the water.
6. Cut an Alka-Seltzer tablet into smaller pieces (around 5 or 6) and drop one of them into the bottle, things should start getting a little crazy, just like a real lava lamp!
7. When the bubbling stops, add another piece of Alka-Seltzer and enjoy the show!

