

Science Experiments

Why don't you try these at home?

Blast off!

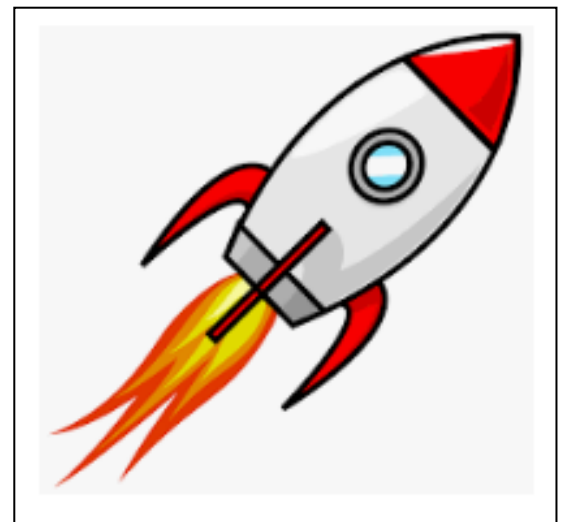
Make your very own rocket using ingredients you can find at home!

You will need:

- A thin bendy straw
- A thicker milkshake type straw
- A rocket template
- Sticky tape
- Scissors
- Coloured pens

What to do:

- Seal the end of the straw with a very small amount of tape
- Cut a thicker straw to the same length of the rocket
- Pinch the end of the straw together and put a piece of tape over the end to keep it shut.
- Test there are no air leaks by blowing into the straw
- Tape this straw to the back of the rocket, make sure the closed end is at the top of the rocket
- Slide the thin straw into the thicker one and angle the rocket ready for launching
- Blow a big puff of air into the thin straw and watch the rocket take off!



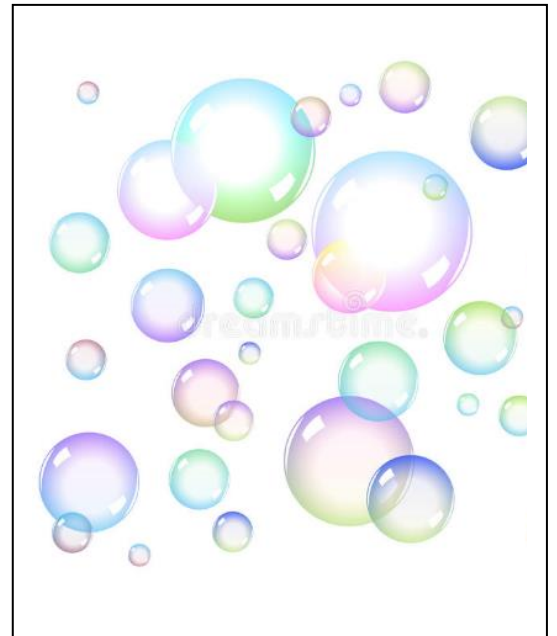
Double bubble!

Make a bubble within a bubble!

You can use ingredients you can find at home.

You will need

- 1 cup
- A straw
- Half a teaspoon of sugar
- A teaspoon of washing up liquid
- A tablespoon



What to do:

- Put 3 tablespoons of warm water into your cup
- Add half a teaspoon of sugar and stir until dissolved
- Add a teaspoon of washing up liquid and stir well
- Wet a small part of a table or desk by dipping your finger into the mixture and spread it over about 10cm
- Put your straw into the mixture and coat the end of the straw
- Put the end of the straw into the wet part of the desk and blow a large bubble
- Dip the straw back into the bubble mixture and then place it inside the first bubble and try and blow another bubble
- You could even try again and try to get a bubble inside this one!



Lava lamp!

Have a go at making your own lava lamp!

You can use ingredients you would find at home

All you need is:

- **A plastic drinks bottle**
- **Some cooking oil**
- **Food colouring**
- **An indigestion tablet like alka seltzer**
- **A spoon**

What to do:

- **Fill the bottle about $\frac{1}{4}$ full of water**
- **Add some cooking oil until the bottle is almost full**
- **Add a few drops of food colouring**
- **Break up the indigestion tablet**
- **Add a few bits of the indigestion tablet to the bottle**
- **Watch the magic happen!**

