

Thinking scientifically

Choose an experiment to do (**you will need an adult to help you**). Follow the instructions carefully and answer the questions below:

Questions:

- Before the experiment
 - What do you think will happen?
- After the experiment
 - Describe what happened.
 - How is it different to what you thought would happen?
 - If nothing happened, why do you think nothing happened?
 - Did it happen quickly or slowly?
 - Do you think it would change if you added more or an ingredient?

Candle Experiment

You will need:

A tealight

Glass

Water

Plate/bowl



1. Put some water onto the plate/bowl and place a tealight on top of the water.
2. Light the candle.
3. Place the glass over the lit candle.
4. See what happens!

Melting Ice Experiment

You will need:

Ice cubes (at least 4)

Plate/bowl

1. Place each ice cube on a plate/bowl.
2. Keep one in the freezer and place the other ice cubes in different areas around your house (in warm or cool areas).
3. See what happens!



Skittles Experiment

You will need:

Skittles (the sweets)

Bowl

Water



1. Place the skittles in a pattern in a bowl. Make sure there is about 1cm between each skittle.
2. Gently pour some water into the bowl, so that most of the skittles are covered, but the very top of the skittles are not covered in water.
3. See what happens!

Potato Experiment

You will need:

A potato

Water

Sugar

Food colouring (optional)

Bowl



1. Cut the potato in half. Then with a spoon, hollow out the potato until your potato looks like a bowl. Make sure your potato 'bowl' is about 1cm thick.
2. Put some water in the bowl so about $\frac{1}{4}$ of the potato is covered. If you have food colouring, put it in the water.
3. Put some sugar in the centre of the potato and put it into the bowl of water.
4. See what happens!

Celery Experiment

You will need:

Celery stick

Water

Food colouring

Glass

1. Cut the end off a stick of celery.
2. Fill a glass with water until it is about half full and add some food colouring.
3. Put the celery in the coloured water and leave it.
4. See what happens!



