

SCIENCE AT HOME



Turn everyday cupboard items into fun learning opportunities!

What skills
do we teach?

- Predict
- Question
- Observe
- Investigate

Children love taking part in science experiments, as they offer lots of opportunities to develop their scientific thinking.

Questions to ask:

- What do you already know about ... ?
- What do you predict will happen?
- What did you notice / observe?



Skittles Rainbow Experiment

Place some skittles around the edge of a plate. Pour some cold water over them. Does anything happen?
Now try it with hot water– what do you notice?

The Science part: The sugary coating on the outside of the skittle is dissolved by the hot water, making the water turn different colours.

Baking Soda Volcano

Put a heaped tablespoon of baking soda and a squirt of washing up liquid (food colouring is optional) in a cup and stir. Finally add around 250 ml of vinegar and watch what happens!

The Science part: A chemical reaction happens between the baking soda and the vinegar. A gas called carbon dioxide is produced, which is why it bubbles up.



Dancing Raisins

What happens when you drop raisins into a glass of water?

Now drop some raisins into a glass of lemonade. Look closely– what do you notice starts to happen?



The Science part: The carbon dioxide bubbles stick to the raisins and act like a float that brings them up to the top. When the bubbles reach the top they pop and the raisins sink back down again.