

# SCIENCE AT HOME



Turn everyday cupboard items into fun learning opportunities!

what skills  
do we teach?

- **Predict**
- **Question**
- **Observe**
- **Investigate**

Chilvers 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.