

## Science Investigations

### Guidance

All the investigations listed below can be conducted using items or ingredients found around the home. Where relevant, we have included a brief description of the activity to help you in delivering this. Some activities also have key questions written underneath which you can ask to prompt further discussion or investigation.

### Conduct a taste test.

- Taste different foods while wearing a blindfold.
- Could you guess all the foods correctly without your sense of sight?

### Plant some sunflower seeds.

- Keep a diary to record what happens to them each day.

### Investigate floating and sinking.

- Fill a bath, paddling pool or bucket with water. Add your toys to the water.
- What was the same and what was different about the toys that floated/sank?

### Bake a cake.

- What changes happen to the ingredients during the cooking process?

### Use a magnet to find 10 different magnetic objects around your home.

- Which objects were magnetic, and which were not?
- What was the same and what was different about the magnetic objects?

### Mix homemade paint.

- Make your own paint using 1 cup of flour, 1 cup of salt, 1 ½ cups of warm water and food colouring.
- Evaluate your paint – does it work? Are the colours strong enough?

### Record what happens to gummy bears when placed in different liquids.

- Use a range of liquids such as plain water, salty water, vinegar or a fizzy drink.
- What happened to each of the gummy bears?

### Investigate which solids dissolve in water.

- Use a range of solids such as salt, sugar, coffee, gravy granules or tea.
- Record which solids dissolved, and which did not.
- Does the temperature of the water affect which solids dissolve?



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