

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.

Investigate what happens to celery or white flowers when added to coloured water.

- Mix some food colouring with water before placing a celery stalk or white flower into it.
- What changes do you notice over time?

Conduct a minibeast hunt.

- Keep a diary or tally chart to record the minibeasts you find.
- Which minibeast was the most common?

Create your own bubble solution using water and washing up liquid.

- How much of each liquid did you use?
- Were you able to successfully blow bubbles using your solution?

Build a bug hotel.

- What materials did you use?
- Keep a record of any minibeasts that visit your bug hotel.

Write in invisible ink using lemon juice and water.

- Mix lemon juice and water to create invisible ink. Write a message on white paper.
- Once your paper is dry, hold it up to lightbulb or heat source. What do you notice?

Construct a parachute for your toy using a plastic bag.

- What other materials did you need to use?
- Did it work the first time?

Make your own friction ramp for a toy car.

- Use a range of materials such as paper, fabric, foil or sandpaper to create a ramp.
- On which surface did the car travel fastest?