

Year 1 Science Activities

Help Cook Dinner

Observe and draw a picture of any changes you find while cooking dinner. Record how the change was made. For example; the egg changed from runny to hard because we cooked it; the carrot is in one piece but it changed to slices when we cut it.

Rubbery Egg

Materials:

- 1 egg
- Drinking glass
- Vinegar

Steps:

1. Gently place the egg into the glass.
2. Observe and record what it looks and feels like.
3. Pour vinegar over the egg to completely cover it. You can also add food colouring if you would like a colourful egg.
4. Wait 7 days. Take the egg out of the glass and feel the shell.
5. Observe and record what it looks and feels like.
6. The egg should bounce but be careful as it can be messy if it breaks (do this on a tray or in an outdoor space that can be easily cleaned).

Freezing/Cooling

- Ask an adult to help gather some liquids from the kitchen (such as honey, milk, dishwashing soap).
- Place a small amount of each into an ice cube tray.
- Observe and record what they look and feel like.
- Place them in the freezer overnight.
- Remove from the freezer and record how they have changed.
- Let them heat up again in the sun. Have they returned to their original form?

Looking for changes

List as many changes as you can find around your home and outside. List what caused the change.

For example; the leaf fell from the tree because the wind blew it.

Properties

If you have access to the internet ask an adult to type in the link and watch the video about properties:
<https://www.youtube.com/watch?v=ZZYnERZe3Cg>
Find an object around your home, draw a diagram or take a photograph. List all the properties of the object.

Milky Plastic

Materials:

- Glass of full-cream milk
- Vinegar
- Eye dropper
- Sieve

Steps:

1. Ask an adult to help you warm up the milk by microwaving it for a minute or by placing it in a bowl of hot water.
2. Slowly squirt vinegar into the warm milk and stir.
3. Make sure the mixture is not too hot, then slowly pour the milk into the sieve (over the sink). The plastic should be caught in the sieve.
4. Mould the plastic milk into a shape and leave to dry.
5. How did the milk change, what did it look like after adding the vinegar?