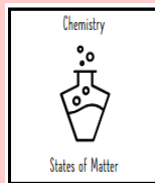


Chemistry

Materials - States of Matter



Year 1/2 – Autumn 1

What should I already know?

- Wood, plastic, glass, metal and rock are all types of everyday materials.
- Everyday materials have different physical properties i.e. hard/ soft or strong/ weak.
- Some solid materials can change shape by squashing, bending, twisting and stretching.

What will I learn?

There are three states of matter, solid, liquid and gas.

When heated or cooled, materials can change state.

Evaporation is when liquid turns into a gas.

Condensation changes from a gas to a liquid.

The water cycle describes how water evaporates, condenses and falls to the surface as precipitation.



Types of Enquiry

Observing changes over time

Pattern seeking

Identifying, groups & classifying

Comparative and Fair testing

Research

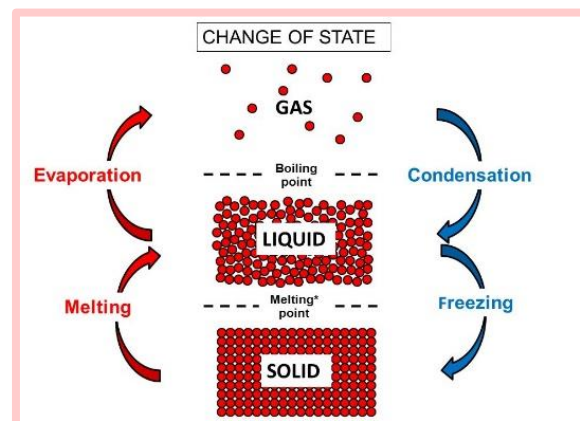
Tier 3 Vocabulary

Evaporate

Condensation

Particle

State



Working Scientifically Skills

How will I be a scientist?

Plan

I will ask questions to identify the properties of solids, liquids and gases.

Do

I will group and classify a variety of materials into states of matter.

I will conduct comparative and fair tests to investigate what happens to materials when they are heated or cooled

Record

I will record my findings from the comparative and fair tests I carry out.

Review

I can review my knowledge of evaporation and condensation to explain the water cycle.