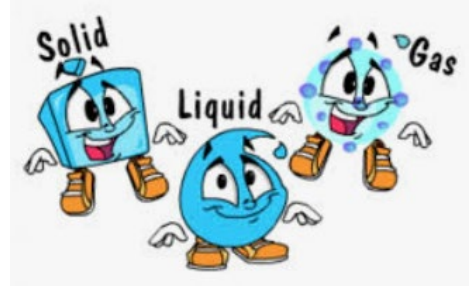


Year 4 **Chemistry**

States of matter



We are learning about:

- **solids, liquids and gases**

(compare and group materials together, according to whether they are solids, liquids or gases)

- **how some materials can change**

(observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C))

- **the water cycle**

(Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.)

We are learning to:

- **make observations over time to answer a question**

(make systematic and careful observations)

- **conduct a fair test**

(to be able to set up a fair test. B – with support)

- **say what I have found out**

(to be able to use results to draw simple conclusions. Recording findings using simple scientific language, drawings, labelled diagrams. Reporting on findings from enquiries including oral or written explanation, displays or presentations. To be able to use straightforward scientific evidence to answer questions or to support their findings.)

- **measure accurately**

(B digital thermometer, M thermometer and E must use data logger)

Vocabulary

States of matter - Solid, liquid and gas

Examples of gases: Oxygen, hydrogen, helium, carbon dioxide, methane

Examples of liquids: Water, milk, juice, petrol, oil

Examples of solids: Wood, rocks, metal, plastic, glass, wool, leather

Processes – Melting, condensation, evaporation, solidifying, freezing