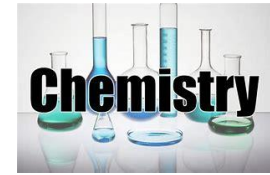




Saint Elizabeth's Knowledge Mat



Year: 4

Subject: Science

Topic: States of Matter

1. What I know already:

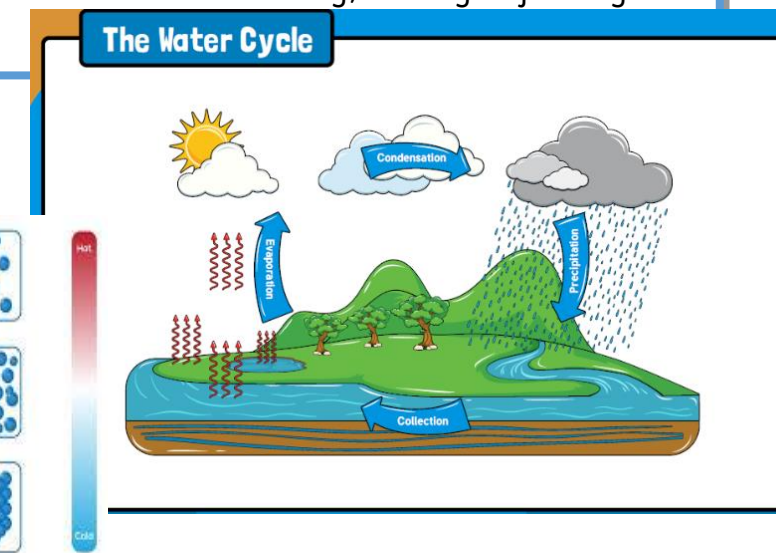
- Similarities, differences, patterns and changes. (EYFS)
- Know about the properties of everyday materials. (Y1)
- Know why a material might or might not be used for a specific job. (Y2)

3. Key vocabulary

Collection	When water flows back into rivers, streams and lakes and gets carried back to sea.
Condensation	When water vapour cools and turns back into water.
Evaporation	When water is heated and turns into water vapour .
gas	A state of matter that has no defined shape, but has a fixed mass.
liquid	A state of matter that flows freely but keeps the same volume
precipitation	When water falls from the clouds in the sky
solid	A state of matter which keep their shape unless pressure is applied.
temperature	How hot or cold something is.
thermometer	An instrument used for measuring temperature .
Water Vapour	Water that takes the form of gas.

2. What I am going to learn – My Sticky Knowledge

- Particles in a solid are close together and cannot move. They can only vibrate.
- Particles in a liquid are close together but can move around each other easily.
- Particles in a gas are spread out and can move around very quickly in all directions.
- When water and other liquids reach a certain temperature, they change state into a solid or a gas. The temperatures that these changes happen at are called the boiling, melting or freezing point



Materials can be one of three states: solids, liquids or gases. Some materials can change from one state to another and back again.