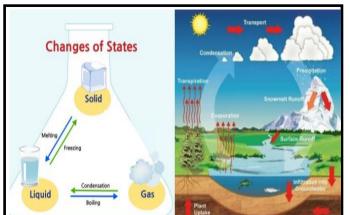
St Peter's Catholic Primary School

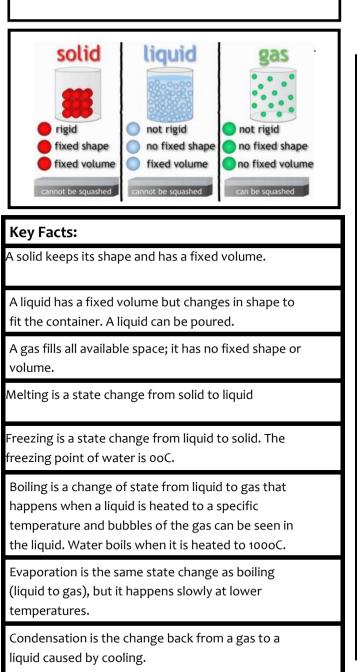
What I should already know:

• That some materials are used for certain purposes because of their properties.

At the end of this topic, I will know:

- How to compare and group materials together, according to whether they are solids, liquids or gases.
- 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 part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.





YFAR 4: Science States of Matter



| Vocabulary | |
|------------------|--|
| states of matter | ^r Materials can be one of three states: solids liquids or gases. Some materials can change from one state to another and back again. |
| solids | These are materials that keep their shape unless a force is applied to them. They can be hard, soft or even squashy. Solids take u the same amount of space no matter what has happened to them. |
| liquids | Liquids take the shape of their container. They can change shape but do not change the amount of space they take up. They car flow or be poured. |
| gases | Gases can spread out to completely fill the container or room they are in. They do not have any fixed shape but they do have a mass. |
| water vapour | This is water that takes the form of a gas. When water is boiled, it evaporates into a water vapour. |
| melt | This is when a solid changes to a liquid. |
| freeze | Liquid turns to a solid during the freezing process. |
| evaporate | Turn a liquid into a gas. |
| condense | Turn a gas into a liquid. |