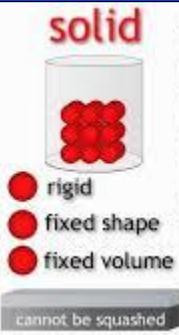
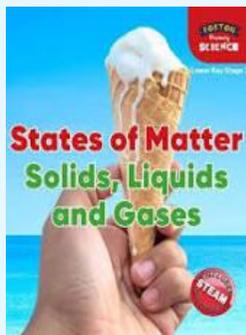
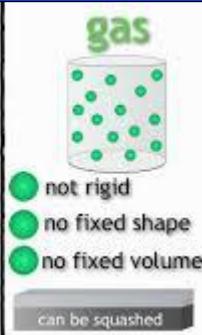


Year Group 4: States of matter

Subject Specific Vocabulary		Memorable Image	Exciting Books
<b>Solids</b>	Materials that keep their shape unless a force is applied to them. They can be hard, soft or even squashy. Solids take up the same amount of space no matter what has happened to them.		 
<b>liquids</b>	Liquids take the shape of their container. They can change shape but do not change the amount of space they take up. They can flow or be poured.		
<b>Gases</b>	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.		
		<b>Sticky Assessment Knowledge</b>	
<b>Water vapour</b>	This is water that takes the form of a gas. When water is boiled, it evaporates into a water vapour.	<input type="checkbox"/> I can compare and group materials together, according to whether they are solids, liquids or gases.	<b>Useful Websites</b>
<b>melt</b>	This is when a solid changes to a liquid.	<input type="checkbox"/> I can identify that some materials change state when they are heated or cooled and can measure or research the temperature at which this happens in degrees Celsius.  <input type="checkbox"/> I can identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	BBC Bitesize <a href="https://www.bbc.co.uk/bitesize/topics/zk-gg87h">https://www.bbc.co.uk/bitesize/topics/zk-gg87h</a>  dkfindout.com <a href="https://www.dkfindout.com/us/science/solids-liquids-and-gases/">https://www.dkfindout.com/us/science/solids-liquids-and-gases/</a>
<b>freeze</b>	This is when a liquid turns to a solid during the freezing process.		
<b>evaporate</b>	When a liquid turns into a gas.		
<b>condense</b>	When a gas turns into a liquid.		<b>Misconceptions and Facts</b>
<b>precipitation</b>	Liquid or solid particles that fall from a cloud as rain, sleet, hail or snow.	<input type="checkbox"/> I can identify differences, similarities or changes related to simple scientific ideas and processes.	<ul style="list-style-type: none"> <li>When water and other liquids reach a certain temperature, they change state into a solid or gas. The temperatures that these changes happen at are called the boiling, melting or freezing point.</li> </ul>

