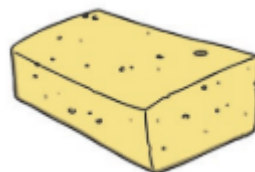





Key Vocabulary

Materials	Materials are what objects are made from
Properties	Describes what a material is like and how it behaves (soft, stretchy, waterproof)
Solid	Materials that keep their shape unless a force is applied to them. They can be hard, soft or even squashy.
Liquid	Liquids take the shape of the container. They can flow or be poured.
Gas	Gases spread out to completely fill the container or room they are in. They do not have a fixed shape.
Elastic	A material will be able to go back to its normal shape after being stretched.
Flexible	Able to bend without breaking.
Absorbent	Able to soak up water.
Waterproof	Able to keep out water.



Resources	Safety Cards
<ul style="list-style-type: none"> <li>Selection of materials</li> </ul> 	Card 13 - Testing materials Card 15 - Water Card 16 - Thermal conductors Card 17 - Testing properties of materials

<p>What key knowledge will I have by the end of this unit?</p> <ul style="list-style-type: none"> <li>Distinguish between an object and the material from which it is made.</li> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</li> <li>Describe the simple physical properties of a variety of everyday materials</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul>
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<p>What key skills will I have by the end of this unit?</p> <ul style="list-style-type: none"> <li>Safety in science</li> <li>Secondary sources to discover how materials are made</li> <li>Use knowledge to design a sports bag</li> <li>Fair test, control variables, observing, accurate measurements, record in table, simple conclusions, improvements, further questions (absorbency)</li> <li>Classifying materials</li> </ul>
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In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
<ul style="list-style-type: none"> <li>Identify, name and describe different materials</li> <li>Compare and group them according to their properties</li> </ul>		<ul style="list-style-type: none"> <li>Investigating the properties of solids, liquids and gases</li> </ul>		<ul style="list-style-type: none"> <li>Make changes to materials</li> <li>Investigate solids, liquids and gases</li> </ul>