

# Year 2 Science Knowledge Organiser

## Autumn 2

### Theme: Everyday materials

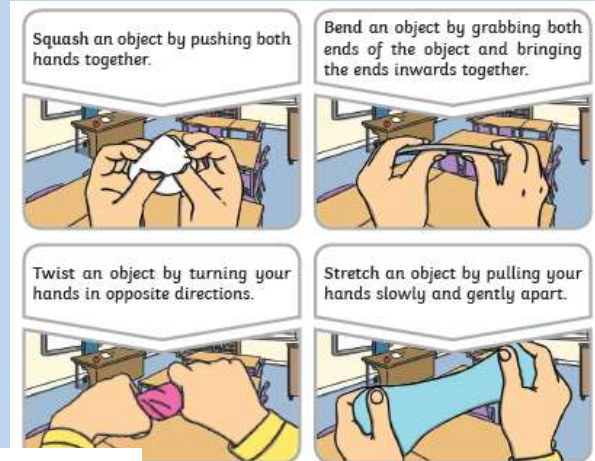


#### Key Knowledge

By the end of this unit pupils will...  
Everyday materials

In year 1, children distinguished between an object and the material it was made from. In year 2, children will build on this knowledge to become familiar with how some materials can be used to make different objects, for example metal can be used to make a can, coins and a car, or how an object can be made from different materials, such as a spoon can be made from metal, plastic or wood. The properties of a material are why it is chosen to make an object. Children will carry out an investigation to see whether materials squash, bend, twist or stretch. From the results of the experiment, children will select the most appropriate material for a purpose.

#### Key Vocabulary



#### Working Scientifically

	<ul style="list-style-type: none"> <li>» Ask questions.</li> <li>» Recognise when identifying and classifying will help me answer my questions.</li> <li>» Use secondary sources to identify and classify things.</li> <li>» Look for similarities and make comparisons.</li> </ul>
	<ul style="list-style-type: none"> <li>» Ask questions.</li> <li>» Make careful observations.</li> <li>» Use scientific language.</li> <li>» Draw and label what you observe.</li> <li>» Use observations to suggest answers to questions.</li> <li>» Talk about and explain observations using scientific knowledge and understanding.</li> <li>» Observing over Time</li> </ul>
	<ul style="list-style-type: none"> <li>» Ask questions and find different ways to answer them.</li> <li>» Use scientific language.</li> <li>» Use equipment to make observations.</li> <li>» Make careful observations.</li> <li>» Talk about findings.</li> <li>» Make simple conclusions.</li> </ul>

Properties of Materials	
	wood: hard, stiff, strong, opaque, can be carved into any shape.
	glass: waterproof, transparent, hard, smooth.
	plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.
	metal: strong, hard, easy to wash.
	paper: lightweight, flexible.
	cardboard: strong, light, stiff.
	fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.
	rubber: hard-wearing, elastic, flexible, strong.

