

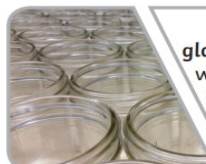
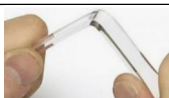












## Science- Everyday Materials



## YEAR 2

What should I already know?	Diagrams					Learning Journey
<ul style="list-style-type: none"><li>Objects are made from different materials: wood, plastic, glass, metal, water, and rock.</li><li>Materials have physical properties, some are hard, soft, smooth, rough, or transparent.</li><li>The physical properties of a material make it suitable for different objects.</li></ul> <div>Sticky Knowledge</div> <p>Solid objects can change shape by squashing, bending, twisting, and stretching.</p>	<u>Squash:</u>	Put the material in your hand, then squeeze together.		 <p><b>wood:</b> hard, stiff, strong, opaque, can be carved into any shape.</p>	 <p><b>glass:</b> waterproof, transparent, hard, smooth.</p>	<p><b>1 &amp; 2. All materials are hard. Investigate.</b></p> <p><b>3. All materials can be changed in the same way. True or False?</b></p> <p><b>4. Discuss the properties of different materials.</b></p> <p><b>5. Investigate which materials are waterproof and which are absorbent.</b></p> <p><b>6. Which materials are transparent, translucent, or opaque?</b></p>
	<u>Bend:</u>	Grab both ends of the object and bring the ends together inwards.		 <p><b>plastic:</b> waterproof, strong, can be made to be flexible or stiff, smooth or rough.</p>	 <p><b>metal:</b> strong, hard, easy to wash.</p>	
	<u>Twist:</u>	Hold the material tightly, then turn both hands in the opposite direction.		 <p><b>paper:</b> lightweight, flexible.</p>	 <p><b>cardboard:</b> strong, light, stiff.</p>	
	<u>Stretch:</u>	Pull the hands slowly away from each other.		 <p><b>fabric:</b> soft, flexible, hard-wearing, can be stretchy, warm, absorbent.</p>	 <p><b>rubber:</b> hard-wearing, elastic, flexible, strong.</p>	
	Vocabulary					

### Sticky Knowledge

Solid objects can change shape by squashing, bending, twisting, and stretching.

<p>Different materials are suitable for different uses.</p>	<p><b>Translucent</b> objects where you can see light through them, but not full shapes.</p> <p><b>Squashing</b> a material so that it is flat or changes shape.</p>	<p>When you <b>twist</b> some materials, they change into a spiral shape.</p> <p>If you <b>bend</b> some materials, they will change shape without breaking.</p>	<p><b>7. Which material would be best to build a house?</b></p>
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