




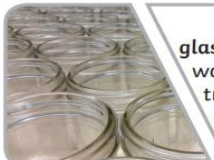










Science- Everyday Materials



YEAR 2

What should I already know?	Diagrams			Learning Journey
<ul style="list-style-type: none">Objects are made from different materials: wood, plastic, glass, metal, water, and rock.Materials have physical properties, some are hard, soft, smooth, rough, or transparent.The physical properties of a material make it suitable for different objects. <div>Sticky Knowledge</div> <p>Solid objects can change shape by squashing, bending, twisting, and stretching.</p> <p>Different materials are suitable for different uses.</p>	<div><div><div>Squash:</div><div>Put the material in your hand, then squeeze together.</div><div></div></div><div><div>Bend:</div><div>Grab both ends of the object and bring the ends together inwards.</div><div></div></div><div><div>Twist:</div><div>Hold the material tightly, then turn both hands in the opposite direction.</div><div></div></div><div><div>Stretch:</div><div>Pull the hands slowly away from each other.</div><div></div></div></div>	<div><div><div>wood: hard, stiff, strong, opaque, can be carved into any shape.</div></div><div><div>glass: waterproof, transparent, hard, smooth.</div></div><div><div>plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.</div></div><div><div>metal: strong, hard, easy to wash.</div></div><div><div>paper: lightweight, flexible.</div></div><div><div>cardboard: strong, light, stiff.</div></div><div><div>fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.</div></div><div><div>rubber: hard-wearing, elastic, flexible, strong.</div></div></div>	<p>1 & 2. All materials are hard. Investigate.</p> <p>3.All materials can be changed in the same way. True or False?</p> <p>4. Discuss the properties of different materials.</p> <p>5. Investigate which materials are waterproof and which are absorbent.</p> <p>6. Which materials are transparent, translucent, or opaque?</p> <p>7. Which material would be best to build a house?</p>	
	Vocabulary			
	<p>Translucent objects where you can see light through them, but not full shapes.</p> <p>Squashing a material so that it is flat or changes shape.</p>	<p>When you twist some materials, they change into a spiral shape.</p> <p>If you bend some materials, they will change shape without breaking.</p>		

