




Key Knowledge	
Object or material?	<p>An object is made from a material, for example, a spoon can be made from metal, wood or plastic.</p> 
<p>What are different objects made from?</p> <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 10px;"> <div style="border: 1px solid gray; padding: 5px; text-align: center;">  wood </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;">  leather </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;">  plastic </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;">  metal </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;">  glass </div> <div style="border: 1px solid gray; padding: 5px; text-align: center;">  paper </div> </div>	
<p>How can I describe different materials and their properties?</p> <div style="text-align: center;">  <p>Materials</p> <p>There are lots of different types of materials and they all have different properties. They can be...</p> <p>hard SOFT TRANSPARENT STRONG flexible OPAQUE brittle stretchy RIGID heavy light</p> <p><i>How would you describe these materials?</i></p> </div>	
Materials with a purpose	<p>Some materials are used because of their properties: stone for walls because it is strong; glass for windows because it is strong and see-through; fabric is used for curtains because it is not see-through.</p>
Natural or man-made?	<p>Some materials are found around our world, e.g. metal, oil, wood, wool. Others are created by humans, e.g. plastic, paper, glass.</p>
Investigate	
<p>How are objects different or similar based on the materials they are made from?</p> <p>What is a good material to make an umbrella for teddy?</p> <p>What is a good material to make ramp for cars from?</p> <p>What is a good material to make curtains from?</p>	

Key Vocabulary	
absorbent	Soaks up liquid easily.
bendy (flexible)	An object that bends easily into a curved shape
elastic	A rubber material that stretches when you pull it and returns to its original size and shape when you let it go
fabric	Cloth or other material produced by weaving together cotton, wool or other threads.
foil	Sheets of metal as thin as paper.
glass	A hard, transparent material.
hard	Does not scratch or dent easily.
man-made	Materials that are created by people
leather	A tough, flexible material, made from the skin of an animal.
metal	Substances such as iron, steel, gold, or lead.
natural	Materials that are found around our world, not made by humans
opaque	If a substance is opaque , you cannot see through it.
plastic	A material which is light in weight and does not break easily.
properties	The qualities or features that belong to something and make it recognisable.
rock	The hard substance from which the Earth is made.
rough	A surface that is uneven and not smooth.
shiny	A surface that is bright and reflects a lot of light.
smooth	A surface with no roughness, lumps, or holes.
soft	Not hard. Easily scratched or dented.
squashy	Loses its shape easily when pressed.
stiff (rigid)	A material that does not easily bend.
stretchy	slightly elastic
transparent	If an object is transparent , you can see through it.
waterproof	Does not let water pass through it.
wood	The material from the trunk and branches of trees.