









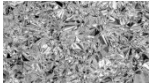











KS1 Materials (Year 1)

Prior Learning: A material is a matter of which a thing can be made from

P.O.S – Materials

Concept – physics energy transfer and forces

Facts	Vocabulary									
<p>1. Objects:</p> <p>a) are things we can see or touch</p> <p>b) can be made from one or more materials</p>	<p>1. Object - medieval Latin objectum 'thing presented to the mind',</p> <p>2. Graphite - from Greek graphein 'write'</p>									
<p>2. Definition of a material:</p> <p>a) the matter from which a thing is or can be made from</p>	<p>Everyday materials:</p>									
<p>3. Natural everyday materials:</p> <p>a) A natural material is any product or physical matter that comes from plants, animals, or the ground.</p> <p>b) water, wood, rock, cotton, iron, oil, leather</p>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  wood </div> <div style="text-align: center;">  water </div> <div style="text-align: center;">  rock </div> </div>									
<p>4. Man-made everyday materials:</p> <p>a) Man-made materials are materials that have been produced by man</p> <p>b) plastic, metal, glass, brick, paper, fabric, foil</p>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  cotton </div> <div style="text-align: center;">  leather </div> </div>									
<p>5. Physical properties of everyday materials:</p> <p>a) transparent – allows light through</p> <p>b) opaque - blocks light</p> <p>c) rigid/stiff – not flexible</p> <p>d) soft – not hard or firm</p> <p>e) smooth- no roughness, lumps or holes</p> <p>f) rough- uneven and not smooth</p> <p>g) shiny- objects are bright and reflect light</p> <p>h) dull – a colour that is not too bright</p> <p>i) flexible/bendy – bends easily into a curved shape</p> <p>j) waterproof - does not let water pass through it</p> <p>k) absorbent – able to soak up liquid easily</p> <p>l) elastic/stretchy</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center; margin: 5px;">  plastic </div> <div style="text-align: center; margin: 5px;">  metal </div> <div style="text-align: center; margin: 5px;">  glass </div> <div style="text-align: center; margin: 5px;">  paper </div> <div style="text-align: center; margin: 5px;">  fabric </div> <div style="text-align: center; margin: 5px;">  foil </div> </div>									
<p>Websites:</p> <p>https://www.bbc.com/bitesize/topics/zrsgk7</p>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="background-color: #e0ffe0;">TRANSPARENT</th> <th style="background-color: #e0ffe0;">TRANSLUCENT</th> <th style="background-color: #e0ffe0;">OPAQUE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td style="font-size: small;">Transparent objects allow all of the light to pass through them. This means that we can clearly see through them.</td> <td style="font-size: small;">Translucent objects only allow some light to pass through them. This means that we can partially see through them.</td> <td style="font-size: small;">Opaque objects do not allow any light to pass through them. This means that we cannot see through them at all.</td> </tr> </tbody> </table>	TRANSPARENT	TRANSLUCENT	OPAQUE				Transparent objects allow all of the light to pass through them. This means that we can clearly see through them.	Translucent objects only allow some light to pass through them. This means that we can partially see through them.	Opaque objects do not allow any light to pass through them. This means that we cannot see through them at all.
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