
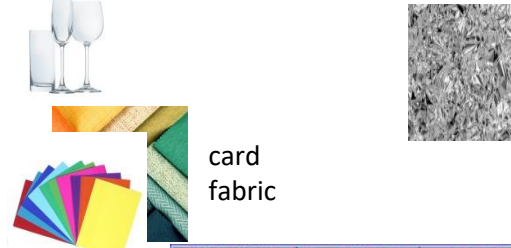
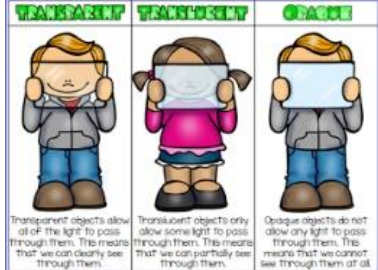


Materials Unit 1

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

P.O.S – Materials

Concept – physics energy transfer and forces

Facts	Vocabulary
<p>1. Objects:</p> <ul style="list-style-type: none"> a) are things we can see or touch b) can be made from one or more materials 	<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> <ul style="list-style-type: none"> a) the matter from which a thing is or can be made from 	<p>Everyday materials:</p>
<p>3. Natural everyday materials:</p> <ul style="list-style-type: none"> a) A natural material is any product or physical matter that comes from plants, animals, or the ground. b) water, wood, rock, cotton, iron, oil, leather 	 <p style="text-align: right;">wood</p> <p style="text-align: right;">cotton</p>
<p>4. Man-made everyday materials:</p> <ul style="list-style-type: none"> a) Man-made materials are materials that have been produced by man b) plastic, metal, glass, brick, paper, fabric, foil 	 <p style="text-align: right;">card fabric</p>
<p>5. Physical properties of everyday materials:</p> <ul style="list-style-type: none"> a) transparent – allows light through b) opaque - blocks light c) rigid/stiff – not flexible d) soft – not hard or firm e) smooth- no roughness, lumps or holes f) rough- uneven and not smooth g) shiny- objects are bright and reflect light h) dull – a colour that is not too bright i) flexible/bendy – bends easily into a curved shape j) waterproof - does not let water pass through it k) absorbent – able to soak up liquid easily l) elastic/stretchy 	 <p>TRANSPARENT Transparent objects allow all of the light to pass through them. This means that we can clearly see through them.</p> <p>TRANSLUCENT Translucent objects only allow some light to pass through them. This means that we can partially see through them.</p> <p>OPAQUE Opaque objects do not allow any light to pass through them. This means that we cannot see through them at all.</p>
<p>Websites:</p> <p>https://www.bbc.com/bitesize/topics/zrsgk7</p>	