

St. Veronica's Primary School – Science Knowledge Organiser

Topic: Everyday Materials		Year: 1	Strand: Chemistry (Summer 2)																																														
What should I already know? Objects feel and look different based on the material they are made from. We use different materials when painting and making art.			Vocabulary <table><tr><td>absorbent</td><td>material that soaks up liquid easily</td></tr><tr><td>bendy</td><td>an object that bends easily into a curved shape</td></tr><tr><td>brick</td><td>rectangular blocks of baked clay used for building walls, which are usually red or brown</td></tr><tr><td>dull</td><td>a colour or light that is not bright</td></tr><tr><td>elastic</td><td>a rubber material that stretches when you pull it and returns to its original size and shape when you let it go</td></tr><tr><td>fabrics</td><td>cloth or other material produced by weaving together cotton, wool or other threads.</td></tr><tr><td>foil</td><td>sheets of metal as thin as paper</td></tr><tr><td>glass</td><td>a hard transparent material</td></tr><tr><td>man-made</td><td>things are created by people</td></tr><tr><td>metal</td><td>a hard substance such as iron, steel, gold, or lead</td></tr><tr><td>natural</td><td>things that exist in nature and are not made by people</td></tr><tr><td>opaque</td><td>if an object or substance is opaque, you cannot see through it</td></tr><tr><td>plastic</td><td>a material which is light in weight and does not break easily</td></tr><tr><td>rock</td><td>the hard substance which the Earth is made of</td></tr><tr><td>rough</td><td>uneven and not smooth</td></tr><tr><td>shiny</td><td>things are bright and reflect light</td></tr><tr><td>smooth</td><td>no roughness, lumps, or holes</td></tr><tr><td>soft</td><td>not rough or hard</td></tr><tr><td>stiff</td><td>firm or does not bend easily</td></tr><tr><td>stretchy</td><td>slightly elastic</td></tr><tr><td>transparent</td><td>If an object is transparent, you can see through it</td></tr><tr><td>waterproof</td><td>does not let water pass through it</td></tr><tr><td>wood</td><td>the material which forms the trunks and branches of trees</td></tr></table>	absorbent	material that soaks up liquid easily	bendy	an object that bends easily into a curved shape	brick	rectangular blocks of baked clay used for building walls, which are usually red or brown	dull	a colour or light that is not bright	elastic	a rubber material that stretches when you pull it and returns to its original size and shape when you let it go	fabrics	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	man-made	things are created by people	metal	a hard substance such as iron, steel, gold, or lead	natural	things that exist in nature and are not made by people	opaque	if an object or substance is opaque , you cannot see through it	plastic	a material which is light in weight and does not break easily	rock	the hard substance which the Earth is made of	rough	uneven and not smooth	shiny	things are bright and reflect light	smooth	no roughness, lumps, or holes	soft	not rough or hard	stiff	firm or does not bend easily	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 which forms the trunks and branches of trees
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What will I know by the end of the unit? Objects are things that you can touch or see. Objects are made from materials.																																																	
Which materials are some objects made from?	glass metal rock plastic wood water brick paper fabrics elastic foil																																																
What words can I use to describe materials?	transparent waterproof opaque stiff soft shiny rough absorbent bright bendy stretchy hard smooth dull																																																
Which materials are natural and which are man-made ?	Some materials are natural while others are man-made. Natural materials are materials which are found in nature. Man-made materials are materials which have been produced by humans. Natural Materials chalk sand oil leather iron gold cotton coal wood concrete glass paper rubber steel plastic polyester Man-made Materials concrete glass paper rubber steel plastic polyester																																																
Investigate! How are objects similar / different based on the materials they are made from? How are materials similar / different to each other? Can you sort natural materials from man-made materials? What is the best material for an umbrella? What is the best material for a lining a dog basket? What is the best material for a superhero costume? What is the best material for curtains? What is the best material for a bookshelf?																																																	

