Knowledge Organiser

Topic: Everyday Materials

Year: 1

Strand: Chemistry

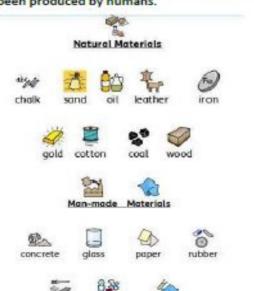
What should I already know?		
•	Objects feel and look different based on the material they are made from.	
•	Use different materials when painting and making art.	

- 100 To 100 C 100	things that you can touch or see. 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
	bendy stretchy hard smooth dull
Which materials are natural and which are man-	Some materials are natural while others are ma-made. Natural materials are materials which are foun in nature. Man-made materials are materials which have been produced by humans.

Vocabulary				
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			

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?



plastic

polyester