

Science Knowledge Organiser

Everyday Materials

Yr 1

Main Foci: 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.

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?



What words can I use to describe materials?



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.

Procedural Knowledge

- What material is the object made from?
- How are objects similar / different based on the materials they are made from?
- How are materials similar / different to each other?
- What words can you use to describe the objects?
- Is there a common material in the types of objects you use at school?

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Question 1: Which of these are materials? (Tick two)	Start of unit:	End of unit:
wood		
air		
metal		
things		

Question 3: Plastic can be...:	Start of unit:	End of unit:
Either bendy or solid		
Both bendy and solid		

Question 2: Which of these materials is shiny?	Start of unit:	End of unit:
wood		
rock		
metal		
glass		

Question 4: Elastic material is _____	Start of unit:	End of unit:
stiff		
rough		
stretchy		
wooden		

Question 5: Match the words to their picture:	Start of unit:	End of unit:
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">plastic</div>	     	
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">metal</div>		
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">glass</div>		
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">wood</div>		
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">rock</div>		
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">water</div>		