

Science Year 1: Materials

What should we already know?

- Objects feel and look different based on the materials from which they are made
- Describing materials - soft hard lumpy smooth
- Use different materials when painting and making art.



What will I know by the end of the unit?

Materials which some objects are made from	
Words to describe some materials	
Materials can be classified as natural and man-made	<p>Natural materials are materials found in nature</p> <p style="text-align: center;">Natural Materials</p> <p>Man made materials are produced by humans</p> <p style="text-align: center;">Man-made Materials</p>

Key skills:

- Ask simple questions and recognise they can be answered in different ways
- Observe closely using simple equipment
- Identify and classify
- Use observations and ideas to suggest answers to questions
- Gather and record data to help in answering questions
- Perform simple tests

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 <u>hard transparent</u> 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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Assessment

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

Question 3: Which material is best for an umbrella?	Start of unit:	End of unit:
waterproof		
absorbent		
wooden		
elastic		

Question 2: Which of these materials <u>is</u> transparent?	Start of unit:	End of unit:
wood		
rock		
metal		
glass		

Question 4: Elastic material is <u> </u>	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: 2px; display: inline-block; margin-bottom: 10px;">plastic</div> 		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 10px;">metal</div> 		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 10px;">glass</div> 		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 10px;">wood</div> 		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 10px;">rock</div> 		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">water</div> 