



Topic: Everyday materials

Year 1

Strand: Chemistry

What I should know by the end of this unit:

- The difference between an object and the materials it is made from
- Identify and name a variety of everyday materials
- Describe some properties of materials
- Compare and group some materials according to their properties

Some common materials and their properties

wood		hard, strong, stiff
plastic		strong, shiny, bendy
glass		transparent, smooth, stiff
metal		hard, strong, shiny
water		runny, wet, clear
rock		hard, strong

What does material mean?

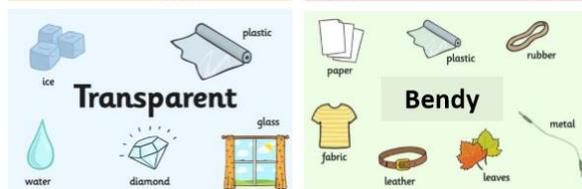
All objects have a name like 'a door.' Material is the 'stuff' an object is made from

Names of some common properties of materials

Hard Not easily broken	Soft Easy to cut, fold or change shape
Stretchy Can be made longer or wider without breaking	Stiff Doesn't change shape easily
Shiny Reflects light easily	Dull Not very bright or shiny
Rough Has an uneven surface	Smooth An even surface with no lumps or bumps
Bendy Can be bent easily	Not bendy Can't be bent easily
Waterproof Keeps out water	Not waterproof Lets water in
Absorbent Soaks up liquid easily	Not absorbent Doesn't soak up water easily
Transparent Able to see through it easily	Opaque Not able to see through

Key Vocabulary

Spelling	definition
liquid	Liquids can flow or be poured easily
material	The 'stuff' and object is made out of
object	A thing that can be seen and touched
properties	A way to describe something
surface	An outside part or layer of something



You can put materials into different groups by asking and answering questions

- Hard or soft?
- Stretchy or stiff?
- Shiny or dull?
- Rough or smooth?
- Bendy or not bendy?
- Waterproof or not waterproof?
- Absorbent or not absorbent?
- Transparent or opaque?



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Which of these are materials? Tick 2	Start of unit	End of unit
wood		
air		
metal		
things		

Which of these materials are transparent?	Start of unit	End of unit
Wood		
Rock		
Metal		
glass		

Elastic is:	Start of unit	End of unit
stiff		
Rough		
Wooden		
plastic		

Plastic is:	Start of unit	End of unit
natural		
Man-made		

Match the word to the picture	Start of unit	End of unit
<div style="border: 1px solid black; padding: 2px; display: inline-block;">plastic</div> <div style="display: inline-block; margin-left: 20px;"></div>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">metal</div> <div style="display: inline-block; margin-left: 20px;"></div>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">glass</div> <div style="display: inline-block; margin-left: 20px;"></div>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">wood</div> <div style="display: inline-block; margin-left: 20px;"></div>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">water</div> <div style="display: inline-block; margin-left: 20px;"></div>		