

Phase: Key Stage 1

Subject: Science

Focus: Everyday Materials

Term: Autumn 1 & 2

What I should already know?

Children know about some similarities and differences in relation to materials.
Eg Objects look and feel different based upon the materials they are made from. Different materials can be used when creating art and crafts.

Vocabulary

bending	To shape something into a curve or angle
compare	To note the similarities and differences of different materials
different	Not the same as another or each other
group	Things that can be gathered together based on their similar properties
identify	To establish or indicate what something is
material	The matter from which something is made
properties	Observable, measurable characteristics used to describe materials eg hard, soft, smooth, rough
similar	Looking or being almost but not exactly the same the same
solid	Firm and stable in shape. Not liquid.
squashing	To crush or squeeze something so that it becomes flat
stretching	To make longer or wider without tearing or breaking
suitable	Something that is right for its purpose or situation
twisting	To turn or rotate a material around a stationary point

Knowledge

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?



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



Man-made Materials



By the end of the unit I should know...

Year 1: Distinguish between an object and the material from which it is made.

Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.

Describe the simple physical properties of a variety of everyday materials.

Compare and group together a variety of everyday materials on the basis of their simple physical properties.

Year 2: Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

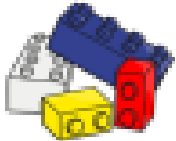
Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Write the name of the material shown in the picture. Use the words at the bottom to help you.













wood, rock, glass, plastic, metal, water, paper, fabric, brick, foil

Question 1 Which of these materials are soft?	Start of Unit	End of Unit
stone		
fabric		
glass		
metal		
Don't know		

Question 2 What is the best material for a book shelf?	Start of Unit	End of Unit
wood		
paper		
glass		
fabric		
Don't know		

Question 3 What is the best material for a dog bed?	Start of Unit	End of Unit
plastic		
metal		
glass		
paper		
Don't know		

Question 4 Which of these materials can be easily bent?	Start of Unit	End of Unit
paper		
glass		
wood		
Don't know		

What I would like to find out?

Answers to my questions...