## **Amblecote Primary School—Knowledge Organisers**

Phase: Key Stage 1 Subject: Science Focus: Everyday Materials Term: Autumn 1 & 2

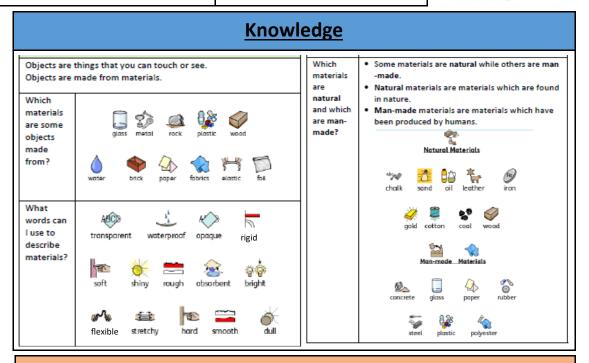


## What I should already know?

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.

	<u>Vocabulary</u>
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



## 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 t	the						
words at the bottom to help you.							
	Question 1 Which of these materials are soft?	<u>Start</u> of Unit	End of Unit	Question 2 What is the best material for a book shelf?	<u>Start</u> <u>of Unit</u>	End of Unit	
	stone			wood			
-	fabric			paper			
	glass			glass			
	metal			fabric			
	Don't know			Don't know			
	Question 3 What is the best material for a dog bed?	Start of Unit	End of Unit	Question 4 Which of these materials can be easily bent?	Start of Unit	End of Unit	
	plastic			paper			
	metal			glass	+		
	glass			wood			
	paper			Don't know			
	Don't know			DON'T KNOW			
0	_						
		What I	would lik	xe to find out?			
- 1 C	$\neg$						
	<b>-</b>						
		Answers to my questions					
		- Incited to my questions.					
wood, rock, glass, plastic, metal, water, paper, fabric, brick,	foil						
wood, rock, glass, plastic, metal, water, paper, labilic, blick,							
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