



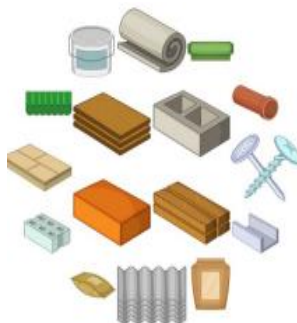
Year 1

Science

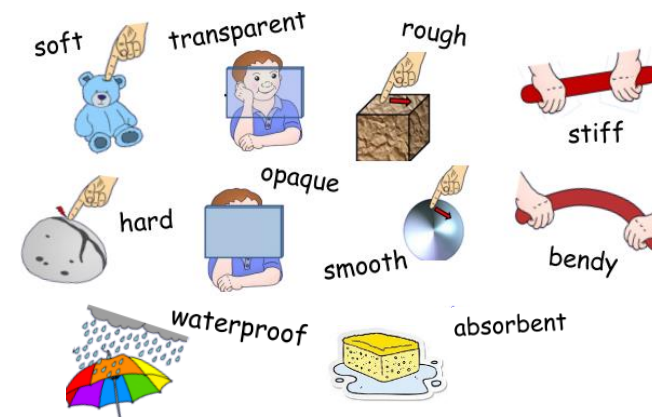
Everyday Materials

Vocabulary

hard	not easily broken
soft	easy to cut and shape
smooth	even surface with no bumps
shiny	reflects light easily
Stretchy	can be made longer or wider
stiff	doesn't change shape easily
bendy	can be bent easily
Floppy	soft and bendy
waterproof	keeps water out
absorbent	soaks up liquid easily
rough	has an uneven surface
dull	not very bright or shiny
transparent	easy to see through
opaque	not able to see through it



Materials are the substances that things are made from.
We use lots of different materials every day e.g. metal, plastic, glass and wood
Different materials have different physical properties which make them useful for different things. A property is a quality that describes what something is like or how it behaves.
Some materials are used to make things.



Properties of Materials

Metal	Glass	Wood	Plastic	Fabric	Paper
					
<ul style="list-style-type: none"> • hard • strong • shiny 	<ul style="list-style-type: none"> • transparent • smooth • stiff 	<ul style="list-style-type: none"> • hard • strong • stiff 	<ul style="list-style-type: none"> • strong • shiny • bendy 	<ul style="list-style-type: none"> • soft • bendy • opaque 	<ul style="list-style-type: none"> • absorbent • dull • smooth

Hard materials

Soft materials

Diamond Metal Concrete Wood Glass Plastic Rubber Paper Cotton Fabric Wool



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Everyday Materials

Vocabulary

object	things that you can touch, see
material	substance objects are made from
rock	material found in the earth
paper	thin material made from trees
wood	material made from trees
plastic	material man-made from chemicals
glass	material made from fine sand
metal	material found in rocks
fabric	cloth made from weaving
brick	baked clay – used for walls
rubber	material from tropical plants
wool	material from the hair of sheep
clay	material from the ground
foil	sheets of thin metal

Types of Materials

Metal	Glass	Wood	Plastic	Fabric	Paper
<ul style="list-style-type: none"> Metals are made from rocks They are strong and shiny Types of metals include iron, steel and aluminium 	<ul style="list-style-type: none"> Glass is made from fine sand It is very strong and clear but can be broken easily Glass is made to make windows because it is transparent 	<ul style="list-style-type: none"> Wood comes from trees It is a hard and strong material It is not easily broken Types of wood include oak, pine and ash 	<ul style="list-style-type: none"> Plastic is made from different chemicals It can be tough or bendy Plastic is used for many things like toys and food packaging 	<ul style="list-style-type: none"> Fabric is made from weaving things together It is soft and bendy Fabric is used to make clothes, curtains and cushions 	<ul style="list-style-type: none"> Paper is made from trees It is usually thin and can be made into lots of different shapes Books and comics are made of paper

What are objects made from?



Tables, chairs, benches and bookcases are often made of wood.

Keys, taps, screws, pans and radiators are often made of metal.

Windows, mirrors and drinking glass are often made of glass.

Bins, toys, food packaging and shopping bags are often made of plastic.

Newspapers, exercise books and posters are made from paper.

Natural materials are materials which are found in nature



Man-made materials are materials that have been produced by humans.

