

What I will know by the end of the unit

- I can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.
- I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Types of material



Properties of different materials

Wood	strong, opaque, stiff, hard
Plastic	bendy, smooth, translucent, stretchy
Glass	transparent, hard, smooth, waterproof
Brick	rough, strong, opaque, dull
Paper	translucent, flexible, not waterproof
Cardboard	rough, dull, opaque, not waterproof
Metal	Shiny, strong, opaque, hard
Rock	Rough, strong, opaque, hard

Key Vocabulary

Material	A substance used to make things
Property	A characteristic of something
Transparent	Objects behind can be seen clearly.
Translucent	A material which allows light to pass through but is not clear.
Opaque	A material which does not allow light to pass.
Waterproof	Do not let through or soak up water.
Absorbent	Can soak up liquid.
Flexible	Can be easily bent without breaking.
Rigid	Can't be bent easily.

- Recycle means using things that have already been used, to make new things.
- Over 55% of our rubbish at home could be recycled.
- Some plastics can take up to 500 years to decompose.
- Glass is 100% recyclable and can be recycled repeatedly.



What Can Be Recycled?

- Paper and Cardboard - such as newspaper and cardboard boxes
- Plastic - such as yoghurt pots and milk bottles
- Metal - such as cans
- Glass - such as bottles and jars
- Clothes - such as jumpers and trousers
- Garden Waste - such as grass cuttings
- Food - such as apple cores and leftovers

<p>Squash an object by pushing both hands together.</p>	<p>Bend an object by grabbing both ends of the object and bringing the ends inwards together.</p>	<p>Twist an object by turning your hands in opposite directions.</p>	<p>Stretch an object by pulling your hands slowly and gently apart.</p>
squashing	bending	twisting	stretching
Pressing, squeezing and crushing so that something becomes flat or changed into a different shape. We might use this when we are baking or using clay.	Changing something that is straight into a curve or at an angle. We might use this when we are bending a wire.	Make into a curled shape by holding and move round in different directions at the same time. We might use this with a piece of paper or material.	Pulling something to make it wider or longer without tearing. We might use this to flatten something out or when making pizza dough.