



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

Sticky knowledge

- ❖ Wood is used to make buildings and furniture and for making fires and heating.
- ❖ Most of the paper or cardboard we use came from trees.
- ❖ Glass is a hard transparent material that can be made in many shapes.
- ❖ Glass is usually transparent, which means you can see through it, but can also come in different colours.
- ❖ Glass is often used to make windows and bottles.
- ❖ Plastics are used to make many of the things we use in everyday life. They are used for toys, bicycle helmets, mobile phones, window frames and many other common items.

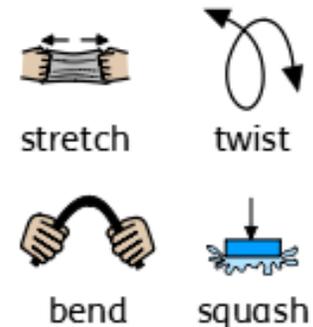
What are materials used for?



Materials are used for different purposes based on their properties.

- For example, wood is used to make furniture and floors.
- Metal can be used to make coins, cans, cars and cutlery.
- Glass can be used to make windows.

The shape of some materials can be changed when they are stretched, twisted, bent and squashed.





Vocabulary	Definition
absorbent	material that soaks up liquid easily
bendy	an object that bends easily into a curved shape
brick	rectangular blocks of baked clay used
elastic	a rubber material that stretches when you pull it and returns to its original size and shape when you let it go
fabrics	cloth or other material produced by weaving together cotton, wool or other threads.
foil	sheets of metal as thin as paper
glass	a hard transparent material
man-made	things are created by people
metal	a hard substance such as iron, steel, gold, or lead
opaque	if an object or substance is opaque, you cannot see through it
plastic	a material which is light in weight and does not break easily
properties	the qualities or features that belong to something and make it recognisable
transparent	If an object is transparent, you can see through it
waterproof	does not let water pass through it

What properties of materials make them suitable for a particular use?

- Glass can be used to make windows because it is transparent.
- Rulers can be made from wood, plastic or rubber because these materials are smooth and can be cut straight.
- Spoons are made from metal, because it is waterproof and can be cleaned easily.
- They can also be made from plastic for children because plastic is light and it cannot hurt children's growing teeth.

