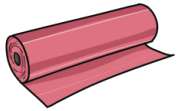
Year 2 - Materials – Knowledge Organiser

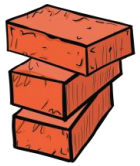
All of these **materials** are fantastic. They are each perfectly suited to make **certain objects.**
Depending on the task, some materials **are better suited** than others.

rock



fabric

paper



brick

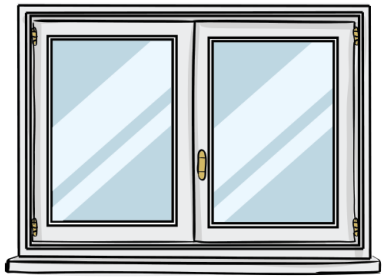
wood

rubber

glass

plastic

metal



This is **a window.** Windows are made from **glass.** Glass is see-through which makes it a good material for the window as it lets **light** into your house and allows you to see out. The glass also stops **rain** and wind entering your **house.**

This is a pair of **wellington boots.** They are made from **rubber.**
Rubber is **strong, waterproof** and **bendy** which makes it a good material for wellies. They will be **comfy** on your feet, keep your feet **dry** and not damage easily.

Changing the shape of materials

We can change the shape of some **objects** by —

squashing them

bending them

twisting them

and stretching them.

It is useful to be able to **change the shape** of some materials.

Fabric needs to be stretchy so that clothes fit our bodies. Imagine if socks weren't **stretchy!**

Some materials cannot be changed which is also useful.

Brick needs to be **strong and firm.** Imagine if bricks for houses were **bendy!**

Key Vocabulary

brick - a hard, strong and rough material used to build houses

fabric - a soft material used to make clothes

glass - a hard but fragile material that is usually transparent and is used to make windows

material - the matter from which an object is made

metal - a material used to make cars, cutlery and some musical instruments; it is usually strong, hard and shiny

paper - a material that can easily tear used to make books and wrapping paper

plastic - a material used to make bottles, toys and food packaging; it can be strong, but some plastics can also be squashed

properties - a characteristic of something

rock - a strong and hard material used to make roof tiles

rubber - a bendy material used to make car tyres and wellington boots

wood - a material made from trees that is used to make furniture