Materials

Knowledge organiser

Year 2

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



rock



fabric



paper



brick



wood



rubber



glass



plastic



metal

Suitable materials



This is **a window.** Windows are made from **glass.** Glass is see-through **(transparent)** which makes it a suitable 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**.

Object, material or property?



Did you know?
Plastic and wood are also suitable materials to make a spoon from.

This is a **spoon** (object).

It is made from **metal** (material).

Metal is **strong, hard, rigid** and **smooth** (properties).

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

bend	flexible	fragile	hard
human	material	natural	object
observation	press	property	protect
record	result	rigid	rough
smooth	soft	squash	stretch
stretchy	suitable	twist	unsuitable