

Key Vocabulary	
material	A material is what something is made of, such as wood or plastic.
suitability	Suitability means having the right properties for a certain use.
properties	The properties of a material tell us what it is like and how it behaves, such as whether it is soft, rough or transparent.
recycle	To recycle means to change waste (rubbish) into a material that can be used again.
recyclable	If a material is recyclable , it means it can be recycled. Not all materials are recyclable .

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.

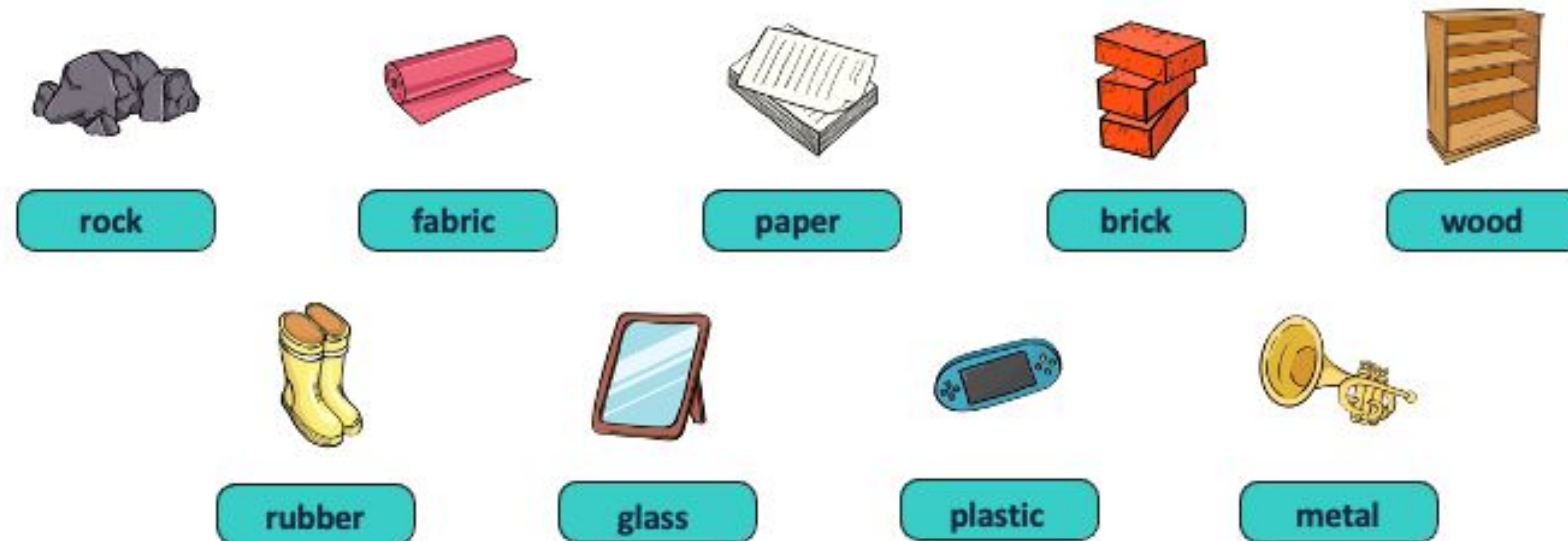
Brick needs to be **strong and firm**. Imagine if bricks for houses were **bendy**!



What are materials used for?

By the end of the unit the children will be able to:

- 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.



During this unit of work, children will learn about different everyday materials such as wood, metal, plastic, glass, rubber, rock, fabric, paper and brick. They will identify the properties of these materials and conduct investigations to explore how different materials are better suited for different objects through well-known stories. Children will also explore how some of these materials can be changed by squashing, bending, twisting and stretching them.



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.



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.

Key Vocabulary for describing materials:

