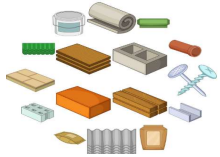


Year 2 Knowledge Organiser – Uses of Everyday Materials



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



glass



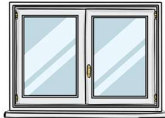
plastic



metal

Glass

This is a window. Windows are made from glass. Glass is **transparent** 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.



Same object, different material

Objects can be made from different materials depending on their usage.



Wood is a good option for disposable cutlery.

#theJSway

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

natural material – material that comes from animals, plants or the Earth

human-made material – a material made by people

recycle – to change rubbish into a material that can be used again

smooth – an even surface

rough – an uneven surface

flexible – can change shape easily

rigid – cannot change shape easily

brittle – easily broken

rock – a natural material found on or underneath the Earth's surface

brick – a human-made building material

transparent – materials you can see through

translucent – materials you cannot see clearly through

opaque – materials you cannot see through

shiny – a surface that can reflect light easily

dull – not clear, bright or shiny

fabric – a material made from weaving or knitting threads together

tough – not easily broken

bend – to force something to curve

squash – to crush or squeeze something

twist – to bend or curl something out of shape

stretch – to make something longer without ripping, breaking or tearing it