

# Year 1: Everyday Materials

## TYPES OF MATERIALS:



GLASS

Glass is a hard material that can be made into many shapes.

It is usually transparent, but can also be made in colours.

Glass is mainly made of silica (sand is an example).

Glass can be recycled over and over.

USES:

Windows and bottles



METAL

Many metals are natural elements found on earth.

They usually have these properties:

They can conduct electricity and heat; They are shiny; They have a high melting point

Metal can be recycled over and over.

USES:

Tools, bridges, buildings, jewellery



PLASTIC

A plastic is a material that can change its shape.

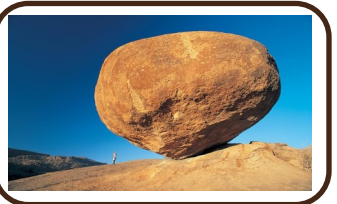
There are many types of plastic.

Some can be shaped only when they are freshly made; then they become hard. Others can be changed by heating them or melting them.

Plastics are man-made.

USES:

CDs, bottles, road signs TV cases



ROCK

Rock is a natural solid.

Rock is often covered by soil or water. It is beneath oceans and lakes etc.

There are three types of rock: igneous, sedimentary and metamorphic.

Rock has been used by humans for over two million years.

USES:

Building



WOOD

Wood is the main substance in trees.

Wood is a renewable, natural resource.

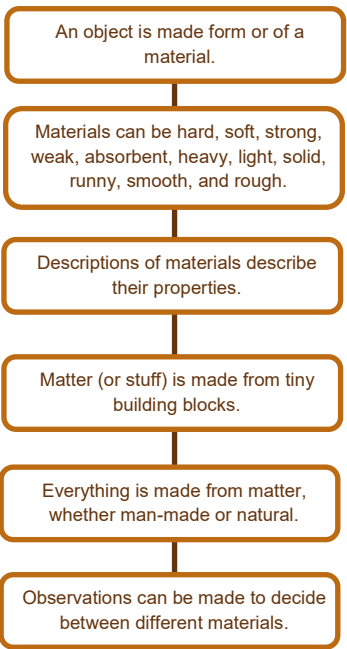
Wood is hard to cut, but it also strong.

There are many different kinds of wood: oak, maple (hardwoods), pine, redwood (softwoods).

USES:

Building, furniture, fuel for fire, paper

## WHAT?:



## KEY VOCABULARY



**ABSORBANT:** material that soaks up liquid easily



**BENDY:** changes from a straight object so that it is curved



**DULL:** a colour or light that is not bright



**HARD:** cannot easily be squashed, bent, cut or scratched.



**HEAVY:** a great weight that is difficult to move



**LIGHT:** something that doesn't have much weight and can be easily moved



**MAN-MADE:** materials and things that are created by people



**MATTER:** the building blocks that create a material or object



**NATURAL:** things that exist naturally and are not made by people.



**OPAQUE:** an object that you cannot see through



**PERMEABLE:** allows water and other liquid or gases to pass through



**PROPERTY:** a word that describes what something is like



**RIGID:** a material that is unable to be forced out of shape or bent



**ROUGH:** uneven and not smooth in texture



**SHINY:** things that are bright and reflect light



**SMOOTH:** a texture that is free from roughness, lumps and bumps



**SOFT:** ca be easily squashed, bent, cut, or scratched



**STIFF:** is firm and does not bend easily



**STRETCHY:** something that is slightly elastic



**STRONG:** able to withstand pressure, force, or wear



**TRANSLUCENT:** materials that allow light, but not detailed shapes to pass through



**TRANSPARENT:** an object that you can see through clearly



**WATER:** a colourless, transparent, odourless liquid that forms seas, lakes, rivers, and streams



**WATERPROOF:** material that does not let water pass through



**WEAK:** a material that is easily damaged and likely to break under pressure, force, or wear.