

Year 2 – Everyday Materials



ROCKET WORDS

Key Word	Meaning
Bend	Changing a straight object, so that it is curved
Man-made	Natural materials that have been changed by humans
Material	The substance that an object is made from
Natural	Materials that are found naturally in the world around us
Property	How a material behaves and appears
Purpose	What an object or material can be used for
Squash	Crushing an object so that it is flat, soft or out of shape
Stretch	Making an object longer and wider, without tearing or breaking
Suitability	Having the right properties for a certain purpose

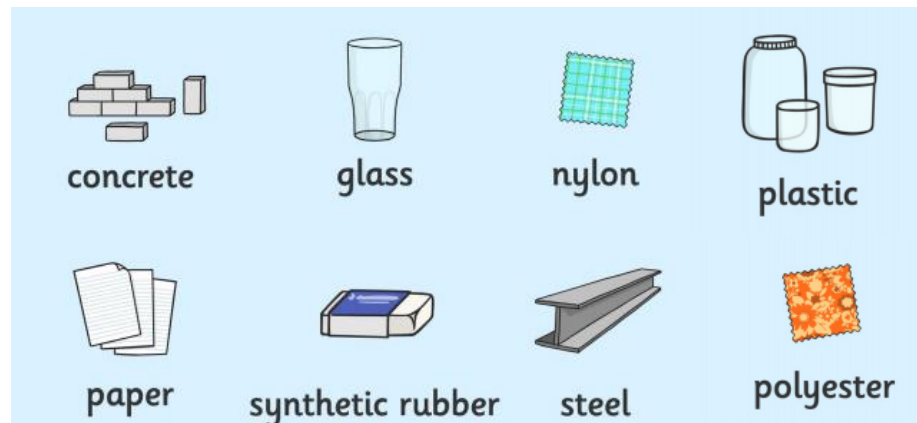
Types of materials

- Some **materials** are found **naturally** in the environment (such as wood and rock).
- Other **materials** are **man-made** (such as fabric, paper and glass).

Examples of natural materials



Examples of man-made materials



Properties of materials

A **property** is how a **material** behaves and appears. For example, wood is not bendy, dull and opaque. Rock is hard and smooth.

- Different **materials** have different **properties**.



hard



soft



stretchy



stiff



shiny



dull



rough



smooth



bendy



not bendy



absorbent



not absorbent



waterproof



not waterproof



transparent



opaque

- Some **materials** are more **suitable** than others for making certain objects. This is called **suitability**.



For example, glass is more **suitable** than wood when making window panes, as it is transparent.

Changing the shape of materials

There are **four** ways to change the shape of a **material**. Some **materials** cannot be manipulated.

Some **materials** can be **stretched**, by holding the **material** and gently pulling both hands apart.



Some **materials** can be **bent**, by holding both ends of the **material** and bringing them inwards.



Some **materials** can be **twisted**, by holding the object and twisting your hands in opposite directions.



Some **materials** can be **squashed**, by holding the **material** and pushing both hands together.

