



MATERIALS, THEIR PROPERTIES AND WHAT THEY ARE USED FOR

- SCIENCE

YEAR 2 SUMMER TERM 1

KEY VOCABULARY

Material	What something is made from
Property	A quality or characteristic of something
Fabrics	A cloth or material used for making something
Absorbent	Able to soak up liquid easily
Flexible	Can bend easily without breaking
Opaque	Not able to be seen through
Transparent	Allows light to pass through so that objects behind can be seen
Suitable	Right or appropriate for a purpose
Unsuitable	Not right / inappropriate
Rigid	Unable to bend
Translucent	Allowing light but not detailed shapes to pass through
Reflective	Can reflect light

KEY LEARNING

We will look at different materials: For example, wood, metal, plastic, glass, brick, water, rock, paper and cardboard.

We will see how suitable they are for different uses.

We will look at how the shapes of objects can be changed by squashing, bending, twisting and stretching.

We will sort materials into those found naturally and those that have been made.

KEY FACTS

All objects are made of one or more materials.

Materials are chosen specifically because they have suitable properties.

A material can be suitable for different purposes.

An object can be made of different materials.

Objects made of some materials can be changed in shape by bending, stretching, squashing and twisting.

LINKS IN THE CURRICULUM:

- Year 1 - Everyday Materials
- Year 3 - Rocks
- Year 4 - States of Matter; Sound; Electricity
- Year 5 - Properties and changes of materials

Describing materials (Y1)	Hard	Soft
	Rough	Smooth
	Shiny	Dull
	Stretchy	
	Flexible	Stiff
	Waterproof	
	Absorbent	
	Magnetic	
	Squashy	
	Strong	
Breaks easily		
Wobbly		

MATERIALS AND SOME OF THEIR PROPERTIES

Metals

Strong

Shiny

Good electrical conductors

The scissors are made from metal.

Plastics

Waterproof

Transparent?

Strong

Plastic can be used to make toys, bags and bottles.

Glass

Transparent

Thick glass = strong

Windows and glasses are made from glass.

Fabrics

Absorbent

Flexible

Good Heat Insulator

Fabrics can be used to make clothes.

Wood

Strong

The picnic table is made from wood.