



Key Vocabulary

Word	Meaning
Property	Is something we can see or feel about a material.
Rough	A bumpy uneven surface.
Smooth	A completely flat surface.
Rigid	When a material does not bend easily.
Flexible	When a material bends easily.
Weak	Gives way or breaks easily.
Strong	Holds its shape and does not break easily.
Waterproof	When a material does not let water through.
Absorbent	When a material soaks up water.
Opaque	A material that you cannot see through.
Transparent	A material you can see through.

Materials

Materials - What is a material?

Material is the word used to describe what something is made from. For example, plastic and wood are different types of material.



Purpose of Materials

We use different materials for different purposes.

Windows = glass because it is transparent.

Tables = wood/metal because it is strong.

glass



Properties of Materials





Properties of Materials

Metal



- hard
- strong
- shiny

Glass



- transparent
- smooth
- stiff

Wood



- hard
- strong
- rigid

Plastic



- strong
- Shiny
- bendy

Fabric



- soft
- flexible
- opaque

Paper



- absorbent
- dull
- smooth

Uses of Materials

Fabric – Can be used to make clothing, furniture and bedding.

Glass – Can be used to make bottles, glasses and table tops.

Plastic – Is used to make bottle, food packaging, chairs, and toys

Rough and Smooth Materials



Stone



Hessian



Glass



Plastic



Metal



Carpet

Extending your Learning

1. Can you find out what different materials have been used make your toy and why?
2. Which materials can be used to make a jacket?
3. Can you make a collage using recycled paper or card?
4. What different materials would you need to make a slide and why?



Knowledge Organiser Revision Schedule

Here is the revision schedule for this half term's knowledge organiser. Please help your child to learn the specified section each week.

Week	Knowledge Organiser Section to Learn
Week 1 – w/c 2 nd January	Purpose of materials
Week 2– w/c 9 th January	Properties of materials
Week 3 – w/c 16 th January	Suitability of materials
Week 4 – w/c 23 rd January	Making a prediction
Week 5– w/c 30 th January	Investigative skills
Week 6 – w/c 6 ^h February	Testing a material