

Topic Intent

Pupils will learn the names of different materials and will use their knowledge to distinguish between an object and the material from which it is made. Pupils will describe the simple properties of everyday materials and will compare and group materials on the basis of their physical properties.

Magnetic



Key Skills

- I can name some different materials
- I can distinguish between an object and the material it is made from
- I can identify simple properties of different materials
- I can group materials on the basis of their properties
- I can carry out a simple investigation

Key Knowledge

Names of different materials	Wood, metal, brick, cloth, plastic, wool, paper, stone, fabric, glass, chalk, sand, leather, coal, cotton, iron, gold
Natural materials	Chalk, sand, wood, silk, coal, cotton, iron, gold, leather
Man-made materials	Brick, concrete, glass, nylon, steel, plastic, paper
Simple properties of materials	Waterproof, magnetic, opaque, absorbent, dull, shiny, smooth, brittle, hard, soft, translucent
Grouping materials	Putting materials together that all have a property that is the same. E.g. Metal, plastic and glass are waterproof. Glass and plastic can both be transparent.



Materials made from a tree



Key Vocabulary

Absorbent	A material that soaks up a liquid
Experiment	Finding something out
Flexible	A material that can bend
Glass	A type of man-made material
Hard	A material that is strong and does not bend easily
Investigation	Finding something out
Man-made	Materials made by people
Material	Any substance that has a name. What objects are made from.
Metal	A type of material
Natural	A material that can be found in nature and is not made by people
Object	Something that you can pick up
Opaque	You cannot see through it
Plastic	A type of man-made material
Prediction	Using your knowledge to identify what you think will happen
Rigid	A material that does not bend
Rock	A type of natural material
Rough	A material with a bumpy surface
Smooth	A material with a surface that has no bumps
Soft	A material that is flexible and can bend easily
Transparent	A material that you can see through
Water	A natural material
Waterproof	A material that does not soak up water
Wood	A type of natural material

For Further Information

<https://www.bbc.com/bitesize/topics/zrsgqk7>