

Key Stage 1 knowledge organiser

Term: Spring 1

Focus: Materials

What I should already know?

- basic properties of materials (wood, plastic, metal, fabric, glass)
- the name of basic materials and items made from them.

What will I know by the end of the unit?

- To know the material an object is made of and why.
- Suitability of materials
- To know the simple properties of materials
- To group materials based on their properties.

Uses of materials

- Materials are used for different **purposes** based on their **properties**.
- For example, **wood** is used to make furniture and floors.
- **Metal** can be used to make coins, cans, cars and cutlery.
- **Glass** can be used to make windows.



Suitability of materials

- Glass can be used to make windows because it is **transparent**.
- Rulers can be made from **wood, plastic** or rubber because these materials are **smooth** and can be cut straight.
- Spoons are made from **metal**, because it is **waterproof** and can be cleaned easily.
- They can also be made from **plastic** for children because **plastic** is light and it cannot hurt children's growing teeth.



Vocabulary

object - anything that has shape or form and can be seen or touched.

material - a material is any substance that has a name e.g.

brick, paper, fabrics, elastic, foil, wood, plastic, glass, metal, card, cardboard, rubber, wool, clay, rock

Properties:

hard/soft
stretchy/stiff
shiny/dull
rough/smooth
bendy/floppy
waterproof/absorbent

suitable/unsuitable
strong/weak
rigid/flexible
transparent/opaque