

Key threads

Chemistry	Working scientifically
-----------	------------------------

Whole-school definition of science

Science is a way to understand our world by carefully thinking about it and testing our guesses with observations and experiments.

Enquiry

Grouping and classifying
Observing changes

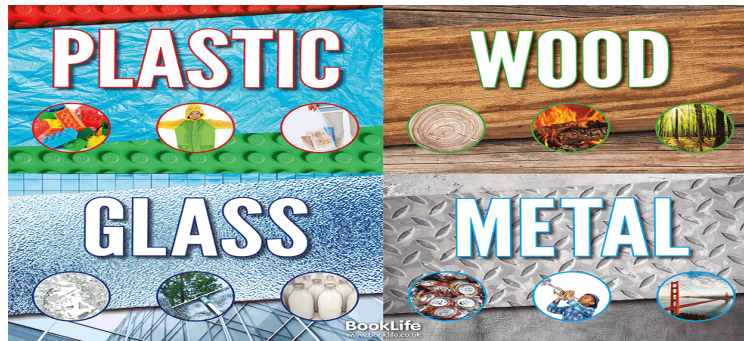
Working scientifically

Identifying and classifying
Using observations and ideas to suggest answers to questions
Performing simple and fair tests
Gathering and recording data to help in answering questions

Everyday Materials

Prior knowledge (what we all ready know)

- feeling a range of different materials.
- Looking at and sorting hard and soft materials.



New Knowledge (what we are going to learn)

- To name a variety of common materials.
- To sort and classify different materials based on their properties.
- Understand different materials have a range of properties.
- To understand that most objects are made from more than one material.
- To understand and explore the properties of absorbency and waterproofing.
- Understanding the stretchiness and flexibility of selected materials.

New vocabulary

Properties – the qualities and characteristics of a substance

Transparent – letting light pass through, (see – through).

Opaque – does not light pass through, (cannot see-through).

Absorbent – able to soak up liquid or moisture.

Waterproof –something that keeps water out.

Freeze– to harden into ice or become solid from cold temperatures.

Melt – to change from a solid to a liquid usually through the action of heat Snow melts in size.

Useful vocabulary

materials, wood, wooden, plastic, metal, glass, water, rock, brick, paper, writing, wrapping, shiny,

drawing, display, greaseproof, kitchen towel, handkerchief, wallpaper, sand paper, fabric, wool,

nylon, silk, fleece fibre, properties, hard, soft, fluffy, rough, smooth, shiny, dull, light, heavy,

transparent (see-through), opaque (can't see-through), translucent (see something through),