Coley Primary School – Knowledge Organiser

SUBJECT FOCUS: Chemistry	Science: Everyday Materials	YEAR 1	TERM 4

WHAT? – Key Knowledge

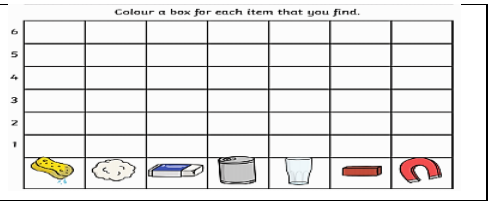
- Use scientific language: say, read and spell scientific vocabulary
- Distinguish between an object and the material from which it is made
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- Describe the simple physical properties of a variety of everyday materials
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

Names of some common properties of materials

Smooth	Smooth objects have no lumps or bumps.
Bendy	Bendy things can be folded easily.
Not bendy	If something is not bendy, it can be folded easily.
Waterproof	If something is waterproof, it keeps water out. I t keeps things dry.
Not waterproof	Not waterproof material let water in.
Absorbent	If something is absorbent, it soaks water up.
Not absorbent	If something is not absorbent, it does not soaks water up.
Transparent	Transparent objects can be seen through.
Opaque	Opaque objects can't be seen through.
Elastic	A rubber material that stretches when you pull it and return to its original size and shape when you let go.
Foil	Sheets of metal as thin as paper.
Glass	A hard transparent material.
Man-made	Things are created by people.
Metal	A hard substance such as iron, steel, gold or lead.
Plastic	A material which is light in weight and does not break easily.
Wood	The material which form the trunks and branches of trees.

Diagrams and symbols

Gathering and recording data to help in answering questions.



WHAT? – Key Vocabulary



Brick
Retangular block of baked clay used for building walls, which are usually red or or brown.



Fabric
Cloth or other material produced by weaving together cotton, wool or other threads.



Stone



Paper

Working Scientifically Challenge:

- How are objects similar / different based on the materials they are made from?
- How are materials similar or different to each other?
- Which materials are natural and which are man- made?



I wonder…

- ***What is the best material for a bookshelf?***
- ***Can you sort*** natural material from man- made?

Possible experiences: Curious minds…

- ***I spy***…Can we find an example of natural and man-made materials indoor and outdoor?

Great Read:

- Everyday Materials (Ways into Science, by Peter Riley