Coley Primary School – Knowledge Organiser

SUBJECT FOCUS: Chemistry	Science: Everyday Materials	YEAR 1	TERM 3

WHAT? – Key Knowledge

- Use scientific language: 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

Material	Materials are what an object is made from.
Hard	Not easily broken or bent.
Soft	If something is soft, it is easy to cut, fold or change the shape of.
Stretchy	Can be pulled to make it longer or wider without breaking.
Shiny	Reflects light easily.
Dull	• Doesn't reflect light. • Doesn't look bight or shiny.
Rough	If something is rough, it feels and looks uneven or bumpy.

Working Scientifically Challenge:

- Describe things that are similar and different between materials.
- Describe materials using their senses.
- Compare and group materials.
- Sort materials into groups.



Possible experiences: Curious minds…

- ***I spy***…Can we find an example of rough plastic, smooth plastic indoor and outdoor?

Great Read:

- Everyday Materials (Ways into Science, by Peter Riley

WHAT? – Key Vocabulary

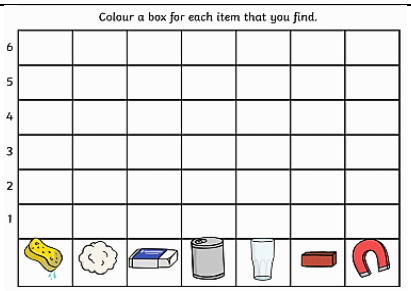
- **Object, material, soft, stretchy, shiny, dull, rough, waterproof,**

Some common materials and their properties

 **Glass** Transparent, smooth, stiff	 **Wood** Hard, strong, stiff	 **Metal** Hard, strong, shiny
 **Rock** Hard, strong	 **Plastic** Strong, shiny, bendy	 **Water** Runny, wet, clear
 **Rubber**	 **Fabric**	 **Paper**

Diagrams and symbols

Gathering and recording data to help in answering questions.



I wonder…

- *What objects are made from?*
- *Can they describe materials using their senses, using specific scientific words?*
- *Can they explain what material objects are made from?*
- *Can they explain why a material might be useful for a specific job?*
- *What is the best material for an umbrella?*