

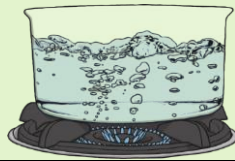


Coleman Primary School

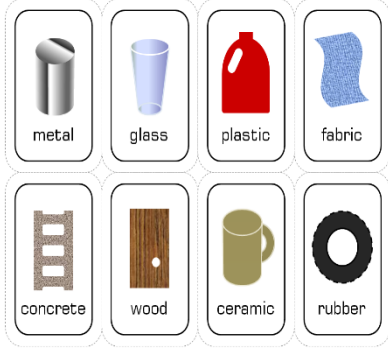
Key Knowledge Organiser:

Year 5- Autumn 2.

Science – Material World.



Key Vocabulary

Hard	resistant to scratching or pressure
Tough	resists cracking: opposite to brittle
Strong	resistant to tearing
Rigid	hard and fixed; not flexible
Elastic	returns to original shape when force removed
Plastic	retains new shape when force removed
	
Flexible	easily bends; opposite of rigid and stiff
Solution	mixture of solid and liquid (you might not be able to see the solid)
Solute	the stuff that dissolves
Solvent	usually (liquid) that does the dissolving
Dissolve	when a solid mixes with liquid to make solution
Evaporate	heat liquid until it turns into gas
Mixture	two or more substances that can be separated
Soluble	when something can dissolve

Processes for changing or separating materials.

Boiling

Is the term used to describe **liquid** turning to **gas** at a higher temperature than evaporation.

Condensation

Is the scientific term for when a **gas** turns into a **liquid**.

Freezing

Is when a **liquid** is made very cold and becomes a **solid**. Different elements and compounds have different freezing points.

Melting

Is when a **solid** turns into a **liquid** from being heated. Different solids melt at different temperatures.

Filtering

Is the process used to separate a mixture of an insoluble solid and a liquid.

Sieving

Is the process used to separate a mixture of different sized solids.

Evaporation

Is used to separate solids that are soluble from a liquid.

In Year 4 you learnt:

How to ask relevant questions and use different types of scientific enquiries to answer them(Y4)
Report on findings from enquiries, including oral and written explanations, displays or

In Year5 you will:

Plan different types of scientific enquiries to answer questions
Identify scientific evidence that has been used to support or refute ideas or arguments
Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.

Insoluble	when something can't dissolve	presentations of results and conclusions (Y4)	
Filter	use porous material to separate solid and liquid		