Ropsley C of E Primary School
Science Knowledge Organiser – Year 5-6
Properties and Changes of Materials

Vocabulary

Hardness

Solubility

Transparency

Conductivity – electrical and thermal

Magnetic

Solids

Liquids

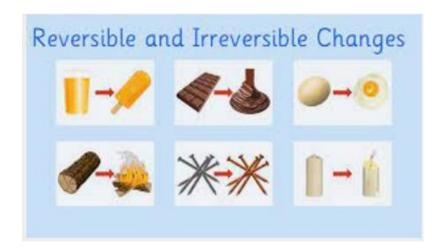
Gases

Reversible changes

Filtering

Sieving

Evaporating



Knowledge

Knows how to compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.

Knows that some liquids will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.

Knows how to use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.

Knows how to give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.

Knows how to demonstrate that dissolving, mixing and changes of state are reversible changes.

Knows that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action acid on bicarbonate of soda.

