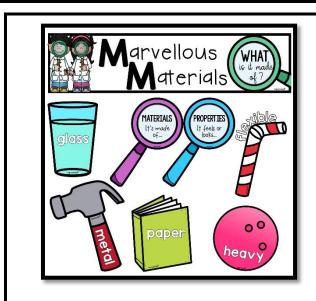
## Mickleover Primary School – Science Knowledge Organiser

Title: Properties and Changes of Materials

Year Group: 5

Term: Spring

## Vocabulary you will know... solution property reversible magnetic irreversible transparent conductor lilter insulator evaporate dissolve sieve thermal soluble conductor thermal insoluble insulator



## Have you ever wondered?

 Why saucepans are made from metal?



- If sugar will dissolve in water?
- How vacuum flasks can keep liquids hot.... and cold?

## **Key Learning**

- To identify the properties of a range of every day materials.
- To give reasons for the particular uses of everyday materials, including metals, wood and plastic.
- To know that some materials will dissolve in liquid to form a solution.
- To use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- To describe how to recover a substance from a solution.
- To compare the thermal conductivity of materials.
- To plan different types of scientific enquiry to answer questions.
- To make careful observations