

# Year 5

## Changes in materials

### We are learning about:

- **the properties of materials** (to be able 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 )
- **the factors that affect dissolving** (to be able to understand that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.)
- **how to separate materials** (to be able to use knowledge of solids, liquids and gases to decide how mixtures might be separated, through evaporating and condensation.)

### We are learning to:

- **plan a fair test** (to be able to plan a scientific enquiry that will answer a question. To be able to recognise control variables when planning a fair-test).
- **make accurate measurements** (B: digital thermometer, E: thermometer and data logger)
- **record results** (B: Table, bar chart; E : To be able to record data in a line graph. To be able to report and present findings from enquiries, including conclusions, causal relationships and explanations. )
- **make predictions** (to be able to use test results to make predictions to set up further comparative and fair tests).
- **evaluate my results** (to be able to evaluate an enquiry in terms of the amount of trust one can have in it).