

Title: Properties and Changes of Materials

Year Group: 5

Term: Spring

Vocabulary you will know...

property	solution
magnetic	reversible
transparent	irreversible
conductor	filter
insulator	evaporate
dissolve	sieve
soluble	thermal conductor
insoluble	thermal insulator

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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?



PROUD

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

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