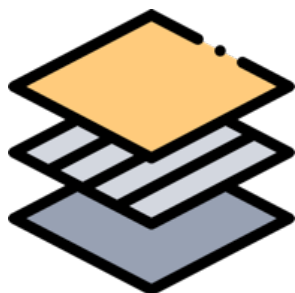


Properties and changes of materials



Concepts		Core Vocabulary			
Properties	Classification	Conductivity	Solubility	Dissolving	Solution

A great Scientist...

- develops scientific knowledge and conceptual understanding through all aspects of science.
- develops understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.
- is equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Science Knowledge

I can compare and group together materials based on their properties including hardness, solubility, transparency, conductivity and response to magnets.

I can name some materials (at least examples) that can dissolve in liquid to form a solution and describe methods to recover.

I can explain how to separate materials using filtering, sieving and evaporating.

I can explain that some changes are irreversible and they can result in the formation of new materials and I can give at least 2 examples of an irreversible change.

I can give reasons for the particular uses of everyday materials and can justify my answers using evidence from tests.

Science Skills

I can use and develop keys and other information records to identify, classify and describe living things and materials.

I can select and plan the most appropriate type of scientific enquiry to answer scientific questions. I can recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why.

I can record data and results of increasing complexity using scientific diagrams and labels, tables and bar graphs.

I can use results to identify when further tests or observations might be needed.

I can use and develop keys and other information records to identify, classify and describe living things and materials.

