

Properties and changes of materials

Environment & Civilisation

The way of life of a society or culture.
 The surroundings of living things.

Year B

Learning journey

KS1:

Explore characteristics of everyday objects.

Distinguish between an object and the material from which it is made.

Identify and compare the suitability of a variety of everyday materials.

KS2:

Observe how magnets attract or repel each other and attract some materials and not others.

Compare and group materials together, according to whether they are solids, liquids or gases.

How does light and electricity react with different materials.



My Component Knowledge:

Lesson 1: I can recall prior knowledge and use key vocabulary to explain differences between materials..

Lesson 2: I can identify materials that have properties of magnetism.

Lesson 3: I can compare and group materials based on their properties

Lesson 4: I understand how a change can be reversed.

Lesson 5: I know the difference between an irreversible and reversible change.

Lesson 6: I can explain what the differences between liquids, solids and gases are?

My Composite Knowledge:

I can compare and group together everyday materials on the basis of their properties. Conducting experiments to further my understanding through investigation.

My Powerful Knowledge:

I understand that everyday materials can be compared and grouped on the basis of their properties, including their hardness, solubility, transparency and conductivity.

Key Vocabulary

Tier 1: solid, liquid, gas, enquiry, magnet, filter, sieve

Tier 2: dissolve, solution, conductor, evaporation, insulator, transparent

Tier 3: variables, soluble, insoluble

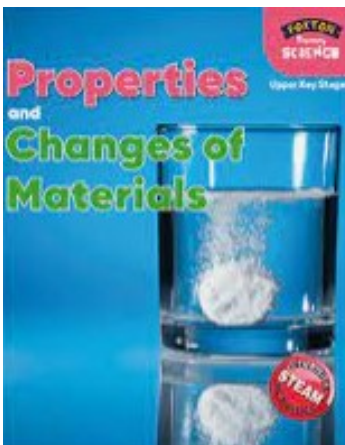
Working Scientifically

Ask relevant questions and use different types of scientific enquiries to answer them.

Use straightforward scientific evidence to answer questions or to support findings.

Ask simple questions and recognising that they can be answered in different ways.

I can record findings using simple scientific language, drawings,



What material won't dissolve?

How can materials be sorted?



What materials are magnet-