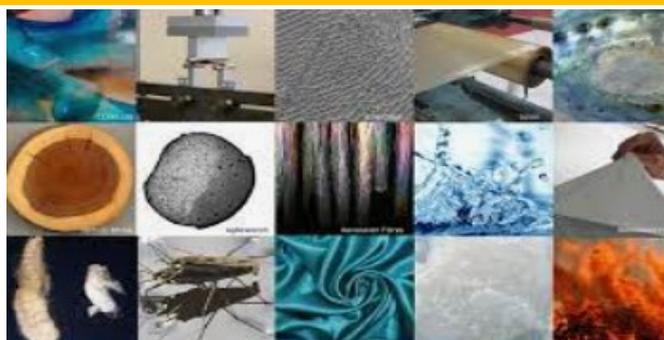


Properties and Changes of Materials

Innovation



Prior Learning:

Reception - Explore characteristics of everyday objects.

Year 1 - Distinguish between an object and the material from which it is made.

Year 2 - Identify and compare the suitability of a variety of everyday materials.

Year 3 - Observe how magnets attract or repel each other and attract some materials and not others.

Year 4 - Compare and group materials together, according to whether they are solids, liquids or gases.

My Component Knowledge:

Lesson 1: I can identify and define key vocabulary.

Lesson 2: I can understand the difference between melting and dissolving.

Lesson 3: I can suggest ways in which materials can be separated.

Lesson 4: I can identify irreversible chemical changes.

Lesson 5: I can identify materials that are thermal conductors and insulators.

Lesson 6: I can recall knowledge

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:

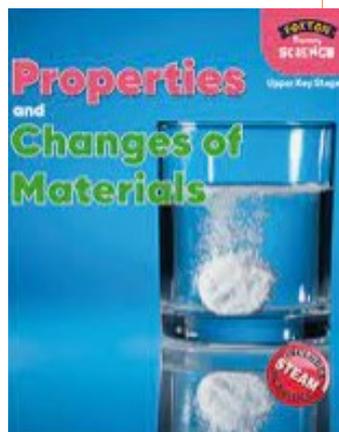
I understand that everyday materials can be compared and grouped on the basis of their properties, including their hardness, solubility, transparency and conductivity.

Key Vocabulary

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

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

Tier 3: variables, soluble, insoluble



What material won't dissolve?

How can materials be sorted?

What materials are magnetic?