

## Innovation

### Key Vocabulary

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

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

**Tier 3:** variables, soluble, insoluble

### 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.

### Future Learning:

**Year 6** - How does light and electricity react with different materials.



### My Component Knowledge:

**Lesson 1:** I can identify and define key vocabulary.

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

**Lesson 3:** I understand the difference between melting and dissolving.

**Lesson 4:** I can explain the difference between melting and dissolving through experimentation.

**Lesson 5:** I can suggest ways in which materials can be separated.

**Lesson 6:** I can conclude the importance of old and new materials.

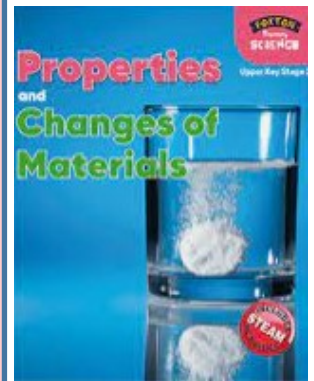
### My Composite Knowledge:

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.



### Everyday Materials



What material won't dissolve?

How can materials be sorted?

What materials are magnetic?