



WINKLEIGH
Primary School

Properties and Changes of Materials

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 understand the uses of materials in our everyday lives.

Lesson 2: I can design and discuss an experiment of the best insulating material.

Lesson 3: I understand the difference between reversible and irreversible changes.

Lesson 4: I can define the effect oxidation has on materials.

Lesson 5: I can separate materials through filtration.

Lesson 6: I can recap and explain the key vocabulary and properties.

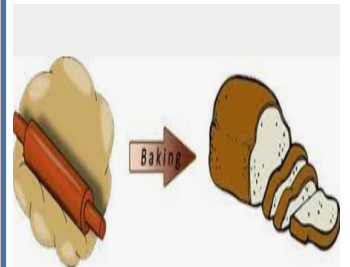
My Composite Knowledge:

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.



What does reversible mean?

Why does an apple go brown?

What process is filtration?