



# Chemistry Curriculum and Knowledge Map



**YEAR 6**

### Chemistry - Materials

I can explain reversible and irreversible changes using comparative and fair tests

### Key Stage 3

- the properties of the different states of matter (solid, liquid and gas) in terms of the particle model, including gas pressure
- simple techniques for separating mixtures: filtration, evaporation, distillation and chromatography
- the carbon cycle



**YEAR 5**

### Chemistry - materials

I can compare and group every day materials based on properties and explain the suitability for a particular use.

### Chemistry - materials

- I can compare the properties of different types of rocks and suggest a suitable use.

**YEAR 4**

### Chemistry - materials

I can describe what is rock and how it is formed?

### Chemistry - materials

- I can explain the three states of matter of water and how temperature affects its state and make links to the water cycle.

**YEAR 3**

### Chemistry - materials

- I can observe and describe the typical properties of solids, liquids and gases.

### Chemistry - Materials

I can explain why a material is best suited to a particular object.

**YEAR 2**

### Chemistry - Materials

It can describe the properties of some everyday materials.

### Chemistry - Materials

I can group materials based on their properties.

**FS2**

### Chemistry - Materials

I can name everyday objects and the materials they are made from.

**YEAR Y1**

Three Little Pigs: Draw and name the parts of a house. (windows, roof, door).  
 Challenge: Name the materials used to make those parts. (windows=glass)  
 Gingerbread Man: Build a vehicle to help the Gingerbread Man to cross the river. (Begin to describe the properties of everyday materials. (hard, soft, bumpy, waterproof, shiny, smooth.)  
 Using your senses explore the physical properties of everyday materials.