



YR 7

**Properties and change in materials**

Hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets  
Dissolving  
Filtering, sieving and evaporating  
Uses of everyday materials  
Reversible changes  
Irreversible changes  
How chemists create new materials



UKS2

**States of Matter**  
Solids, liquids or gases  
Changing state with heat  
Changing state with cooling  
Evaporation and condensation  
Water cycle

**Rocks**  
Compare and group together different kinds of rocks  
Fossils  
Soils are made from rocks and organic matter

LKS2

**Everyday materials**

**Understand the world**

Observe a variety of materials  
Explore similarities and differences in materials

Distinguish between an object and the material from which it is made  
Identify and name a variety of everyday materials  
Describe the simple physical properties of a variety of everyday materials  
Compare and group together a variety of everyday materials  
Identify and compare the suitability of a variety of everyday materials  
Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching  
Materials are used for more than one thing

EYFS



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