



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



KS1