

What do you know? Science Materials



Year 1
Identify and name a range of materials (wood, plastic, glass, metal, water and rock)
Describe physical properties of some everyday materials
Group together some everyday materials based on their properties
Year 2
Know the uses of different everyday materials (wood, metal, plastic, glass, rock, brick, paper, cardboard)
Group together some everyday materials based on their uses
Know and name some solid objects that can be changed by squashing, bending, twisting and stretching
Year 3
Year 4
Know what is meant by solids, liquids and gases and group some materials according to this
Know that some materials change state when they are heated or cooled
Know that the rate of evaporation is affected by the temperature
Know the part played by evaporation and condensation in the water cycle
Year 5
Know how to group everyday materials based on their properties (including their hardness, solubility, transparency, conductivity (<i>electrical and thermal</i>) and response to magnets)
Know that some materials will dissolve in liquid to form a solution and how to recover a substance from a solution
Know how mixtures might be separated through filtering, sieving and evaporating (depending on whether they are a solid, liquid, or gas)
Know what is meant by reversible and irreversible changes and give some examples
Year 6