



Hovingham & St Hilda's CE (VC)

Primary Schools Federation



Where Everyone Grows!

KS2 Science objectives and key vocabulary

Year A	Materials
LKS2	<p>States of matter - compare and group materials together, according to whether they are solids, liquids or gases</p> <p>States of matter - observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius</p> <p>States of matter - identify part played by evaporation and condensation in water cycle and associate the rate of evaporation with temperature</p>
UKS2	<p>Properties and changes of materials - compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</p> <p>Properties and changes of materials - know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p> <p>Properties and changes of materials - use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</p> <p>Properties and changes of materials - give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</p> <p>Properties and changes of materials - demonstrate that dissolving, mixing and changes of state are reversible changes</p> <p>Properties and changes of materials - explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda</p>
LKS2 Vocabulary	States of matter, solids, liquids, gases, water vapour, melt, freeze, evaporate, condensation, precipitation

UKS2
Vocabulary

Material, mixture, dissolve, solution, solvent, solute, soluble, insoluble, separate, filtering, sieving, evaporating, reversible, irreversible, conductor, insulator



CONONLEY PRIMARY SCHOOL
Inspiring and Challenging Our Children