



# Upper Key Stage Two Curriculum Map

Identifying coverage across all units in Science

Areas	National Curriculum Coverage	Year 5					Year 6					
		Forces	Earth and Space	Materials	Life cycles		Alfred Wallace	WW2	Human body	Light	Analysing market research	Electricity
Working Scientifically	♣ planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary											
	♣ taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate											
	♣ recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs											
	♣ using test results to make predictions to set up further comparative and fair tests											
	♣ reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations											
	♣ identifying scientific evidence that has been used to support or refute ideas or arguments											
Living Things & Their Habitat	Year 5											
	♣ describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird											
	♣ describe the life process of reproduction in some plants and animals.											
	Year 6											
	♣ describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals											
	♣ give reasons for classifying plants and animals based on specific characteristics											
Animals, including humans	Year 5											
	♣ describe the changes as humans develop to old age											
	Year 6											
	♣ identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood											
	. ♣ recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function											
	♣ describe the ways in which nutrients and water are transported within animals, including humans.											
Year 5 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											
	♣ know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution											
	♣ use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating											

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