

Year 7 Science

The Year 7 course begins the Key Stage 3 work which builds upon knowledge and skills developed during the Key Stage 2 curriculum. In the autumn term we have an introductory topic which includes safety and investigative principles of secondary school science. This is then followed by 10 short topics that introduce the key scientific ideas of Key Stage 3. Core scientific principles are developed through a combination of theory and investigative learning. We cover all three scientific disciplines and touch on all of the strands within the year's work. The learning from Year 7 is developed further in Year 8.

Methods of deepening and securing knowledge:	
Retrieval practice	Retrieval practice is embedded into lessons. This usually includes recall question from previous lessons at a recap of prior learning.
Interleaving	Retrieval practice includes interleaved questions from previous topics, making connections between topics where possible.

	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Topic(s)	Biology - Movement - Cells Chemistry - Particle model - Separating mixtures - Metals and non-metals - Acids and alkalis Physics - Sound - Light	Biology - Movement - Cells Chemistry - Particle model - Separating mixtures - Metals and non-metals - Acids and alkalis Physics - Sound - Light	Biology - Variation - Human reproduction Physics - Voltage and resistance - Current - Speed - Gravity	Biology - Variation - Human reproduction Physics - Voltage and resistance - Current - Speed - Gravity	Biology - Interdependence - Plant reproduction Chemistry - Earth structure - Universe Physics - Energy costs - Energy transfers	Biology - Interdependence - Plant reproduction Chemistry - Earth structure - Universe Physics - Energy costs - Energy transfers
Assessment		Aiming High 1 test – covers the topics taught so far in Year 7				Aiming High 2 test – covers all Year 7 topics

