



Curriculum Overview – Year 9-11

Science	Autumn Term			Spring Term			Summer Term		
Year 9	B1 Cell Biology		B4 Bioenergetics		Mid-year assessment		B3 Infection & Response		
	C1 Atomic Structure & the Periodic Table		C9 Chemistry of the Atmosphere				C2 Bonding, Structure, and the Properties of Matter		
	P3 Particle Model of Matter		P1 Energy				P4 Atomic Structure (Radiation)		
Year 10	B2 Organisation			B5 Homeostasis			B7 Ecology		Year 10 mock exams
	C3 Quantitative Chemistry	C4 Chemical Changes	C5 Energy Changes	C6 Rate & Extent of Chemical Change					
	P2 Electricity		P6 Waves		C7 Organic Chemistry				
Year 11	B6 Inheritance, Variation & Evolution		Year 11 mock exams	B6 Inheritance, Variation & Evolution		Review of prior units and required practical activities		Year 11 final exams	
	C10 Using Resources			C8 Chemical Analysis					
	P7 Magnetism & Electromagnetism			P5 Forces	P8 Space Physics (Separate Science only)				



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Please note that the topics covered during each term are studied on rotation, enabling all classes to participate in a full range of practical activities relating to the topic being studied.

Summative topic assessments take place at the end of each topic, with synoptic assessments taking place once during Years 9 and 10, and twice during Year 11. Most set moves take place following the synoptic assessments in Years 9 and 10.

Testbourne enters students for the AQA GCSE Science specifications below:

- AQA GCSE Combined Science (Trilogy) – 8464 (double award GCSE)
- AQA GCSE Separate Sciences – Biology 8461, Chemistry 8462, Physics 8463 (three single award GCSEs)

Separate Science is taught to students in the two top sets on each half of Years 10 & 11 – it is not an ‘option’ subject, so is taught in the same lesson time as those students studying Combined Science. We continue to review students’ progress and achievement before making a final recommendation for their Science GCSE entry in Year 11.



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The table below shows when students will normally study each topic from the AQA GCSE Science specifications – all topics are common to both Combined Science (Trilogy) and Separate Sciences, except for P8 Space Physics, which is specific to Separate Sciences. Most topics will contain additional study material for those students studying Separate Sciences. Please note that the order of teaching may be altered for individual year groups in response to their teaching needs.

Examination Papers	Biology	Chemistry	Physics
Paper 1s 1h 15m each for Combined Science 1h 45m each for Separate Sciences	B1 Cell Biology Y9	C1 Atomic Structure & the Periodic Table Y9	P1 Energy Y10
	B2 Organisation Y10	C2 Structure and Bonding Y9	P2 Electricity Y10
	B3 Infection & Response Y10	C3 Quantitative Chemistry Y10	P3 Particle Model of Matter Y9
	B4 Bioenergetics Y9	C4 Chemical Changes Y10	P4 Atomic Structure (Radiation) Y9
		C5 Energy Changes Y10	
Paper 2s 1h 15m each for Combined Science 1h 45m each for Separate Sciences	B5 Homeostasis Y10	C6 The Rate & Extent of Chemical Change Y10	P5 Forces Y11
	B6 Inheritance, Variation & Evolution Y11	C7 Organic Chemistry Y10	P6 Waves Y10
		C8 Chemical Analysis Y11	P7 Magnetism & Electromagnetism Y11
	B7 Ecology Y10	C9 Chemistry of the Atmosphere Y9	P8 Space Physics (Separate Science only) Y11
		C10 Using Resources Y11	