



KS4 Curriculum overview: SCIENCE

Please note the following GCSE topics were covered in Year 9 science lessons:

B1-2 Cells, Cell Transport and Cell Division (*including Magnification RP and Osmosis RP*)

B5-7 Communicable and Non-communicable disease

B8-9 Respiration and Photosynthesis (*including Rate of Photosynthesis RP*)

C1-2 Atomic Structure, the Periodic Table and Ionic Bonding

C6 Electrolysis (*including Electrolysis RP*)

P3 Energy Resources

P6 States of Matter (*including Density RP*)

P7 Radioactivity

Required Practicals (RP) account for 20% of the marks on each of the GCSE Science
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Year 10 Curriculum Map

Autumn Term	Spring Term	Summer Term
B3 Digestive System <i>Including Food Tests RP</i> <i>Including Investigating Enzymes RP</i>	B4 Organs Systems in Plants and Animals C5 Acid and Metal Reactions <i>Including Making Salts RP</i>	B10 Nervous System <i>Including Investigating Reaction Time RP</i>
C3 Structure and Bonding	P4 Electrical Circuits	B11 Hormone System
C4 Quantitative Chemistry	<i>Including Resistance RP</i> <i>Including I-V Characteristics RP</i>	C9 Organic Chemistry
C7 Energy Change <i>Including Exo/Endothermic Reactions RP</i>	P5 Mains Electricity	
P1 Energy Transfers and Efficiency		
P2 Heat Transfer <i>Including Specific Heat Capacity RP</i>	Biology Paper 1 Mock Exam (PPE1)	Chemistry Paper 2 Mock Exam (PPE1)

Year 11 Curriculum Map

Autumn Term	Spring Term	Summer Term
P8-10 Force and Motion <i>Including Force and Acceleration RP</i> <i>Including Force and Extension RP</i>	C12 Qualitative Chemistry <i>Including Chromatography RP</i>	Revision: Key Concepts
B13 Reproduction and Genetics	C13 Earth's Early Atmosphere	Revision: Maths in Science Skills
B14 Variation and Natural Selection	C14 Water Treatment and Sustainability <i>Including Water Purification RP</i>	Revision: Required Practicals
B15 Evolution and Extinction	P12 Waves <i>Including Investigating Waves RP</i>	
B16-17 Ecosystems, Adaptations and Cycles <i>Including Sampling RP</i>	P13 Electromagnetic Spectrum	
B18 Human Impact on the Environment	P15 Magnetism and Electromagnets	
C8 Rate of Reaction <i>Including Rate of Reaction RP</i>		
Physics Paper 1 Mock (in lesson)	Chemistry Paper 2 Mock Examination (PPE3)	Physics Paper 2 Mock (in lesson)
Biology Paper 2 Mock Examination (PPE2)		