

Year 7	Term 1			Term 2			Term 3				
Building on prior knowledge Developing scientific enquiry • Planning Investigations • Analysing patterns in data • Evaluating data and methods	7.1 Earth Structure	3.1 Energy costs	10.1 Variation	4.1 Sound	5.1 Particle model	1.1 Speed	8.2 Cells	6.1 Acids and alkalis	2.1 Potential difference and resistance	9.1 Inter-dependence	End of Year Assessment
	7.2 Universe	3.2 Energy transfer	10.2 Human reproduction	4.2 Light	5.2 Separating mixtures	1.2 Gravity	8.1 Movement	6.2 Metals and non-metals	2.2 Current	9.2 Plant reproduction	
Assessment	Earth and Energy		Genes and Waves		Forces and Matter		Organisms and Reactions		Electromagnets and Ecosystems		
Enquiry processes	EP1 – Asking Scientific questions		EP2 – Planning investigations		EP3 – Recording Data		EP4- Analysing Patterns		EP5 – Evaluating data and Methods		
Year 8	Term 1			Term 2			Term 3				
Building on prior knowledge Further developing Scientific enquiry • analysing and evaluating •Communication • Evidence and sources • Critique claims and justify opinions • Risks and benefits	10.3 Evolution	3.3 Work	7.3 Climate	4.3 Wave effects	6.3 Types of reaction	2.3 Magnetism	8.3 Breathing	5.3 Elements	1.3 Contact forces	9.3 Respiration	End of Year Assessment
	10.4 Inheritance	3.4 Heating and cooling	7.4 Earth resources	4.4 Wave properties	6.4 Chemical energy	2.4 Electro-magnets	8.4 Digestion	5.4 Periodic Table	1.4 Pressure	9.4 Photo-synthesis	
Assessment	Energy and Genes		Earth and Waves		Reactions and Electromagnets		Matter and Organisms		Ecosystems and Forces		
Enquiry processes	EP6 – Planning Investigations		EP7 – Analysing and Evaluating Data		EP8 - Communication		EP9 – Critique claims and justify opinions		EP10 – Risks and Benefits		

Note: The year 9 curriculum is organised so that each Science is taught on a carousel. Each rotation is taught over 9 weeks. By the end of term 3, students will have studied all three Sciences, Enquiry processes (HSW) and will have completed six assessments.

Year 9 Key Concepts	Rotation 1		Rotation 2		Rotation 3	
Chemistry Key concepts are further explored. Emphasis is placed on the application of the knowledge and the development of the skills necessary to communicate their knowledge.	Atomic Structure	Periodic Table	Atomic Structure	Periodic Table	Atomic Structure	Periodic Table
Physics Key concepts are further explored. Emphasis is placed on the application of the knowledge and the development of the skills necessary to communicate their knowledge.	Conservation and dissipation of energy	Thermal Energy Transfer	Conservation and dissipation of energy	Thermal Energy Transfer	Conservation and dissipation of energy	Thermal Energy Transfer
Biology Key concepts are further explored. Emphasis is placed on the application of the knowledge and the development of the skills necessary to communicate their knowledge.	Cells and organisation	Cell Division	Cells and organisation	Cell Division	Cells and organisation	Cell Division
HSW (EP Skills)	HSW	HSW	HSW	HSW	HSW	
	Assessment 1	Assessment 2	Assessment 3	Assessment 4	Assessment 5	Assessment 6

Biology (Separates)

Year 10	Term 1		Term 2		Term 3	
THEMES	B3/4 Organisation in animals and plants (Nutrition and Blood)	B5 Communicable diseases	B6 Preventing and treating disease	B7 non-communicable diseases	B8 Photosynthesis	B9 Respiration
Assessment	Assessment 1: End of unit test. Organisation in animals and plants (Nutrition and Blood)	Assessment 2: Consolidation test: Organisation	Assessment 3: End of unit test: B6 Preventing and treating disease	Assessment 4: Consolidation test: Preventing and treating disease and non-communicable diseases	Assessment 5: Consolidation test: Photosynthesis and Respiration.	Assessment 6: Paper 1 Mock
Year 11	Term 1		Term 2		Term 3	
THEMES	B10/ B11 The Nervous System /Hormonal Coordination	B12 Homeostasis in Action	B13 Genetics & Reproduction	B14 & B15 Genetics, Variation and Evolution	B16/B17 Adaptations and Interdependence / Organising and Ecosystem	B18 Biodiversity and Ecosystems
Assessment	Assessment 1: End of unit test: Hormonal Coordination	Assessment 2: End of unit test. Homeostasis in Action	Assessment 3: Consolidation test: Biological Responses	Assessment 4: Consolidation test: P1 Mock	Assessment 5: Consolidation test: Genetics, Variation and Evolution	Assessment 6: Consolidation test: P2 Mock

Biology (Trilogy)

Year 10	Term 1		Term 2		Term 3	
THEMES	B3/4 Organisation in animals and plants (Nutrition and Blood)	B5 Communicable diseases	B6 Preventing and treating disease	B7 non-communicable diseases	B8 Photosynthesis	B9 Respiration
Assessment	Assessment 1: End of unit test. Organisation in animals and plants (Nutrition and Blood)	Assessment 2: Consolidation test: Organisation	Assessment 3: End of unit test: B6 Preventing and treating disease	Assessment 4: Consolidation test: Preventing and treating disease and non-communicable diseases	Assessment 5: Consolidation test: Photosynthesis and Respiration.	Assessment 6: Paper 1 Mock
Year 11	Term 1		Term 2		Term 3	
THEMES	B10/ B11 The Nervous System /Hormonal Coordination	B12 Genetics and reproduction	B13 Variation and Evolution	B14 Genetics and Evolution	B15 Adaptations, Interdependence and competition	B16 & B17 Ecosystems and Biodiversity
Assessment	Assessment 1: End of unit test: Hormonal Coordination	Assessment 2: Consolidation test: Biological Responses	Assessment 3: End of unit test: Variation and Evolution	Assessment 4: Consolidation test: P1 Mock	Assessment 5: Consolidation test: Genetics, Variation and Evolution	Assessment 6: Consolidation test: P2 Mock

Physics (Separates)

Year 10	Term 1		Term 2		Term 3	
THEMES	P1 Conservation and dissipation of energy	P4 Electric circuits	P5 Electricity in the home	P6 Molecules and matter	P7 Radioactivity	P8/9 Forces in balance and motion
Assessment	Assessment 1: End of unit test. Conservation and dissipation of energy	Assessment 2: End of unit test. Electric circuits	Assessment 3: Consolidation test: Energy /Electricity	Assessment 4: End of unit test: Molecules and matter	Assessment 5: Consolidation test: P1 Mock	Assessment 6: End of unit test. Forces in balance
Year 11	Term 1		Term 2		Term 3	
THEMES	P10 Forces and motion	P11 Force and Pressure.	P12 Wave properties	P13/P14 Electromagnetic Spectrum/ Light	P15 Electromagnetism	P16 Space
Assessment	Assessment 1: Consolidation test: Forces and Motion	Assessment 2: End of unit test: Force and Pressure.	Assessment 3: Consolidation test: Year 9 units: Energy	Assessment 4: Consolidation test: Waves	Assessment 5: End of unit test: Electromagnetism	Assessment 6: Consolidation test: Paper 2 Mock

Physics (Trilogy)

Year 10	Term 1		Term 2		Term 3	
THEMES	P1 Conservation and dissipation of energy	P4 Electric circuits	P5 Electricity in the home	P6 Molecules and matter	P7 Radioactivity	P8/9 Forces in balance and motion
Assessment	Assessment 1: End of unit test. Conservation and dissipation of energy	Assessment 2: End of unit test. Electric circuits	Assessment 3: Consolidation test: Energy /Electricity	Assessment 4: End of unit test: Molecules and matter	Assessment 5: Consolidation test: P1 Mock	Assessment 6: End of unit test. Forces in balance
Year 11	Term 1		Term 2		Term 3	
THEMES	P10 Forces and motion	P11 Wave properties	P12 The electromagnetic spectrum	P13 Electromagnetism	Early Units Consolidation	Exam Technique, Required Practical Review and Consolidation.
Assessment	Assessment 1: Consolidation test: Forces and Motion	Assessment 2: End of unit test: Waves	Assessment 3: Consolidation test: Year 9 units: Energy	Assessment 4: End of unit test: Electromagnetism	Assessment 5: Consolidation test: Paper 2 Mock	Assessment 6: Consolidation test: Year 10 units: Radioactivity / Molecules and Matter

Chemistry (Separates)

Year 10		Term 1		Term 2		Term 3	
THEMES		C3 Structure and Bonding	C4 Chemical Calculations	C5 Chemical Changes	C6 Electrolysis	C7 Energy Changes	C8 Rates and Equilibrium
Assessment		Assessment 1: End of unit test Structure and Bonding	Assessment 2: Consolidation test: Atoms, Ions and Moles	Assessment 3: Consolidation Test: Chemical reactions & Changes	Assessment 4: End of unit test Energy Changes (term 3)	Assessment 5: Consolidation Test: Mock paper 1	Assessment 6: End of Unit test
Year 11		Term 1		Term 2		Term 3	
THEMES	C8 Rates and Equilibrium	C9 / C10 Crude oils and fuels	C11 Polymers	C12 Chemical Analysis	C13 The Earth's Resources	C14 Using Resources	Exam Technique, Required Practical Review and Consolidation.
Assessment	Assessment: End of Unit test	Assessment 1: Consolidation test: Equilibrium (C8), Crude oil and fuels	Assessment 2: Consolidation test: Organic reactions and polymers	Assessment 3: End of unit test: Chemical Analysis	Assessment 4: End of unit test: The Earth's Resources	Assessment 5: Consolidation Test: The Earth's Resources + Using Resources	Assessment 6: Consolidation Test: Mock Paper 2

Chemistry (Trilogy)

Year 10		Term 1		Term 2		Term 3	
THEMES		C3 Structure and Bonding	C4 Chemical Calculations	C5 Chemical Changes	C6 Electrolysis	C7 Energy Changes	C8 Rates and Equilibrium
Assessment		Assessment 1: End of unit test Structure and Bonding	Assessment 2: Consolidation test: Atoms, Ions and Moles	Assessment 3: End of unit test: Chemical Changes	Assessment 4: Consolidation test Electrolysis and Energy Changes (Term 3)	Assessment 5: Consolidation Test: Mock paper 1	Assessment 6: End of Unit test Equilibrium
Year 11		Term 1		Term 2		Term 3	
THEMES	C8 Rates and Equilibrium	C9 Crude oil & Fuels	C10 Chemical analysis	C11/C12 The Earth's Atmosphere / The Earth's resources	Exam Technique, Required Practical Review and Consolidation.	Exam Technique, Required Practical Review and Consolidation.	Exam Technique, Required Practical Review and Consolidation.
Assessment	Assessment: End of Unit test	Assessment 1: End of unit test: Crude oil & Fuels	Assessment 2: Consolidation test: Chemical Analysis + Equilibrium (C8)	Assessment 3: Consolidation test: The Earth's Atmosphere + Earth's resources	Assessment 4: Consolidation test: Required Practical questions Paper 1	Assessment 5: Consolidation test: Required Practical questions Paper 2	Assessment 6: Consolidation Test: Mock Paper 2