

Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Cells, tissues and organs/Acids and Bases	Current electricity/Ecosystems	Particle Model/Energy	Muscles and Bones/Mixtures and Separations	Forces/Reproduction	Atoms and Compounds/Sound
Year 8	Breathing and respiration/Combustion	Forces and Pressure/Food and Digestion	Metals/Light	Reproduction in Plants/Periodic Table	Current Electricity/Unicellular Organisms	Rocks/The Solar System
Year 9 Biology	Key concepts		Cells and Control		Genetics	
Year 9 Chemistry	Atomic Structure	Periodic Table	Bonding	Types of Substance	Quantitative Chemistry	Practical Skills
Year 9 Physics	Forces and Motion			Energy and Energy resources		
Year 10 Biology	Genetics	Natural Selection and Genetic Modification	Health, disease and the development of medicine		Plant Structure and their functions	Revision and Assessment
Year 10 Chemistry	States of Matter 1	Separating Mixtures	Acids	Electrolytic Processes	Extracting metals and Equilibria/Groups in Periodic Table	Rates of reaction and energy changes
Year 10 Physics	Waves and the EM Spectrum			Radioactivity		
Year 11 Biology	Plant Structure and their functions	Animal co-ordination, control and homeostasis	Exchange and transport in Animals	Ecosystems and material cycles	Key Concepts	
Year 11 Chemistry	Bonding/Types of substance/Separating Mixtures	Acids/Electrolytic Processes/Extracting metals/Periodic table	Rates of reaction/core partials/Fuels	Earth and Atmosphere	Key Concepts	

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Year 11 Physics	Electricity and Circuits		Electromagnetism and Matter		Key Concepts	
Year 12 Biology	Foundations in biology		Exchange and transport	Biodiversity, evolution and disease:		Genetics, evolution and ecosystems
Year 12 Chemistry	Atomic Structure and The Periodic Table / Bonding and structure	Redox I / Elements in the periodic table (Groups 1,2 and 7)	Organic Chemistry I / Modern Analytical Techniques I	Energetics I / Kinetics I	Kinetics I / Equilibrium I	Revision/exams (Y12) / Energetics II
Year 12 Physics	Forces and linear motion	Waves	Materials	Electricity	Electricity	Particle Theory
Year 13 Biology	Communication, homeostasis and energy	Communication, homeostasis and energy / MOCK EXAM	Genetics, evolution and ecosystems	Genetics, evolution and ecosystems	Revisiting of topics based on pupil needs	
Year 13 Chemistry	Equilibrium II / Acid-base equilibria	Redox II / Principles and reactions of Transition Metals	Kinetics II / Organic Chemistry II	Organic Chemistry III / Organic Synthesis	Revision and exam preparation	
Year 13 Physics	Circular Motion and SHM	Fields	Astrophysics	Nuclear Physics	Revision and exam preparation	