



CURIOSITY

COMPASSION

COURAGE



Academic outline 2022-23

	Science					
	Term 1 Aug-Oct	Term 2 Nov-Dec	Term 3 Jan-Feb	Term 4 Mar-Apr	Term 5 Apr-May	Term 6 Jun-Jul
Year 7:	Science skills Cells Particles and their behaviour	Atoms, elements and compounds Forces	The Body Energy	Types of reactions Human and plant reproduction	Acids and Alkalis	Light and Sound Space
Year 8:	Health and Lifestyle The Periodic Table Motion and Pressure	Adaptation and Inheritance Separating Techniques	Energy Respiration	Earth Structure Photosynthesis	Metals and their Reactions	Electricity and Electromagnetism Science skills
Year 9:	Chemistry: Atoms, Compounds and States of Matter Biology: Cells, Genetics, Inheritance and Modification	Physics: Forces, Movement and Energy Chemistry: Acids and Metals	Biology: Health, Disease, Development and Medicine Physics: Waves and Radiation	Physics: Waves and Radiation Chemistry: Elements and Chemical Reactions	Chemistry: Elements and Chemical Reactions Physics: Electricity and Magnetism	Biology: Human Biology
Year 10: Combined science GCSE (Trilogy)	Biology 1: Cell Biology Chemistry 1: Atomic structure and periodic table Physics 1. Energy	Biology 2: Organisation Chemistry 2: Bonding, Structure and the properties of matter	Physics 2: Electricity Biology 3: Infection and response	Chemistry 3: Quantitative chemistry Physics 3: Particle model of matter	Biology 4: Bioenergetics Chemistry 4: Chemical Changes Chemistry 5: Energy changes	Physics 4: Atomic structure (radioactivity) End of year assessment preparation PPE
Year 10: Biology GCSE	Biology 1: Cell Biology	Biology 2: Organisation	Biology 2: Organisation	Biology 3: Infection and response	Biology 4: Bioenergetics	End of year assessment preparation PPE
Year 10: Chemistry GCSE	Chemistry 1: Atomic structure and periodic table	Chemistry 2: Bonding, Structure and the properties of matter	Chemistry 3: Quantitative chemistry	Chemistry 4: Chemical Changes	Chemistry 5: Energy changes	End of year assessment prep PPE



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Year 10: Physics GCSE	Physics 1. Energy	Physics 2: Electricity	Physics 2: Electricity	Physics 3: Particle model of matter	Physics 4: Atomic structure	End of year assessment preparation PPE
Year 11: Combined science GCSE (Trilogy)	Physics Paper 2 P5: Forces P6: Waves	Physics Paper 2: P7: Magnetism and the motor effect PPE Chemistry paper 2: C6: Rate and Extent of Chemical Change C7: Organic Chemistry	Chemistry paper 2: C8: Chemical Analysis C9: Chemistry of the atmosphere C10: Using resources	Biology paper 2: B5: Homeostasis and Response B6: Inheritance, Variation and Evolution B7: Ecology	B7: Ecology Exam preparation	GCSE exams
Year 11: Biology GCSE	B5: Homeostasis and response	B6: Inheritance, variation and evolution Biology paper 1 PPE + QLA	B6: Inheritance, variation and evolution B7: Ecology	B7: Ecology Biology papers +QLA	Exam preparation	GCSE exams
Year 11: Chemistry GCSE	C7: Rate and Extent of Chemical Change	C8: Organic Chemistry Chemistry paper 1 PPE + QLA	C9: Chemical Analysis C10: Chemistry of the atmosphere	C11: Using Resources Chemistry papers + QLA	Exam preparation	GCSE exams
Year 11: Physics GCSE	P5: Forces	P5: Forces P6: Waves Physics paper 1 PPE + QLA	P6: Waves P7: Magnetism and Electromagnetism	P8: Space Physics papers +QLA	Exam preparation	GCSE exams