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:	C1: Atoms, Compounds and States of Matter B1: Cells, Genetics, Inheritance and Modification P1: Forces, Movement and Energy	C3: Acids and Metals B2: Health, Disease, Development and Medicine	P2: Waves and Radiation C4: Elements and Chemical Reactions	C4: Elements and Chemical Reactions P3: Electricity and Magnetism	B4: Human Biology	C2: Separating techniques
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	Chemistry 4: Chemical Changes Biology 4: Bioenergetics	Chemistry 5: Energy changes 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	Biology 5: Ecology 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 1 1. Energy 2. Electricity 3. Particle model of matter 4. Atomic structure Physics Paper 2 1. Forces 2. Waves 3. Magnetism and electromagnetism	Physics 1 & 2 PPE Chemistry Paper 1 1. Atomic structure and periodic table 2. Bonding, structure and properties of matter 3. Quantitative chemistry 4. Chemical changes 5. Energy changes Biology Paper 1 1. Cell biology 2. Organisation 3. Infection and response 4. Bioenergetics	Biology Paper 1 1. Cell biology 2. Organisation 3. Infection and response 4. Bioenergetics PPE Chemistry 1 & Biology 1	Biology Paper 2 1. Homeostasis and response 2. Inheritance, variation and evolution 3. Ecology Chemistry Paper 2 1. Rate and extent of chemical change 2. Organic chemistry 3. Chemical analysis 4. Chemistry of the atmosphere 5. Using resources	Exam preparation	GCSE exams
Year 11: Biology GCSE	Biology Paper 1 1. Cell biology 2. Organisation 3. Infection and response 4. Bioenergetics	Biology paper 1 PPE Biology paper 1 QLA	Biology Paper 2 1. Homeostasis and response 2. Inheritance, variation and evolution 3. Ecology Biology paper 1 & 2 PPE	Biology paper 2 QLA	Exam preparation	GCSE exams

Year 11: Chemistry GCSE	Chemistry Paper 1 1. Atomic structure and periodic table 2. Bonding, structure and properties of matter 3. Quantitative chemistry 4. Chemical changes 5. Energy changes	Chemistry paper 1 PPE Chemistry 1 QLA	Chemistry Paper 2 1. Rate and extent of chemical change 2. Organic chemistry 3. Chemical analysis 4. Chemistry of the atmosphere 5. Using resources Chemistry paper 1 & 2 PPE	Chemistry paper 2 QLA	Exam preparation	GCSE exams
Year 11: Physics GCSE	Physics Paper 1 1. Energy 2. Electricity 3. Particle model of matter 4. Atomic structure	Physics paper 1 PPE Physics paper 1 QLA	Physics Paper 2 1. Forces 2. Waves 3. Magnetism and electromagnetism 4. Space Physics paper 1 & 2 PPE	Physics paper 2 QLA	Exam preparation	GCSE exams