



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 <a href="#">Cells</a> <a href="#">Particles and their behaviour</a>	<a href="#">Atoms, elements and compounds</a> <a href="#">Forces</a>	<a href="#">The Body</a> <a href="#">Energy</a>	<a href="#">Types of reactions</a> <a href="#">Human and plant reproduction</a>	<a href="#">Acids and Alkalis</a> <a href="#">Light and Sound</a>	<a href="#">Space</a>
Year 8:	<a href="#">Health and Lifestyle</a> <a href="#">The Periodic Table</a> <a href="#">Motion and Pressure</a>	<a href="#">Adaptation and Inheritance</a> <a href="#">Separating Techniques</a>	<a href="#">Energy</a> <a href="#">Respiration</a>	<a href="#">Earth Structure</a> <a href="#">Photosynthesis</a>	<a href="#">Metals and their Reactions</a>	<a href="#">Electricity and Electromagnetism</a> Science skills
Year 9:	<a href="#">C1: Atoms, Compounds and States of Matter</a> <a href="#">B1: Cells, Genetics, Inheritance and Modification</a> <a href="#">P1: Forces, Movement and Energy</a>	<a href="#">C3: Acids and Metals</a> <a href="#">B2: Health, Disease, Development and Medicine</a>	<a href="#">P2: Waves and Radiation</a> <a href="#">C4: Elements and Chemical Reactions</a>	<a href="#">C4: Elements and Chemical Reactions</a> <a href="#">P3: Electricity and Magnetism</a>	<a href="#">B4: Human Biology</a>	<a href="#">C2: Separating techniques</a>
Year 10: Combined science GCSE (Trilogy)	<a href="#">Biology 1: Cell Biology</a> <a href="#">Chemistry 1: Atomic structure and periodic table</a> <a href="#">Physics 1. Energy</a>	<a href="#">Biology 2: Organisation</a> <a href="#">Chemistry 2: Bonding, Structure and the properties of matter</a>	<a href="#">Physics 2: Electricity</a> <a href="#">Biology 3: Infection and response</a>	<a href="#">Chemistry 3: Quantitative chemistry</a> <a href="#">Physics 3: Particle model of matter</a>	<a href="#">Chemistry 4: Chemical Changes</a> <a href="#">Biology 4: Bioenergetics</a>	<a href="#">Chemistry 5: Energy changes</a> End of year assessment preparation PPE
Year 10: Biology GCSE	<a href="#">Biology 1: Cell Biology</a>	<a href="#">Biology 2: Organisation</a>	<a href="#">Biology 2: Organisation</a>	<a href="#">Biology 3: Infection and response</a>	<a href="#">Biology 4: Bioenergetics</a>	<a href="#">Biology 5: Ecology</a> End of year assessment preparation PPE
Year 10: Chemistry GCSE	<a href="#">Chemistry 1: Atomic structure and periodic table</a>	<a href="#">Chemistry 2: Bonding, Structure and the properties of matter</a>	<a href="#">Chemistry 3: Quantitative chemistry</a>	<a href="#">Chemistry 4: Chemical Changes</a>	<a href="#">Chemistry 5: Energy changes</a>	End of year assessment prep PPE



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Year 10: Physics GCSE	<a href="#">Physics 1. Energy</a>	<a href="#">Physics 2: Electricity</a>	<a href="#">Physics 2: Electricity</a>	<a href="#">Physics 3: Particle model of matter</a>	<a href="#">Physics 4: Atomic structure</a>	End of year assessment preparation PPE
Year 11: Combined science GCSE (Trilogy)	<a href="#">Physics Paper 1</a> <ol style="list-style-type: none"> <li>Energy</li> <li>Electricity</li> <li>Particle model of matter</li> <li>Atomic structure</li> </ol> <a href="#">Physics Paper 2</a> <ol style="list-style-type: none"> <li>Forces</li> <li>Waves</li> <li>Magnetism and electromagnetism</li> </ol>	Physics 1 & 2 PPE <a href="#">Chemistry Paper 1</a> <ol style="list-style-type: none"> <li>Atomic structure and periodic table</li> <li>Bonding, structure and properties of matter</li> <li>Quantitative chemistry</li> <li>Chemical changes</li> <li>Energy changes</li> </ol> <a href="#">Biology Paper 1</a> <ol style="list-style-type: none"> <li>Cell biology</li> <li>Organisation</li> <li>Infection and response</li> <li>Bioenergetics</li> </ol>	<a href="#">Biology Paper 1</a> <ol style="list-style-type: none"> <li>Cell biology</li> <li>Organisation</li> <li>Infection and response</li> <li>Bioenergetics</li> </ol> PPE Chemistry 1 & Biology 1	<a href="#">Biology Paper 2</a> <ol style="list-style-type: none"> <li>Homeostasis and response</li> <li>Inheritance, variation and evolution</li> <li>Ecology</li> </ol> <a href="#">Chemistry Paper 2</a> <ol style="list-style-type: none"> <li>Rate and extent of chemical change</li> <li>Organic chemistry</li> <li>Chemical analysis</li> <li>Chemistry of the atmosphere</li> <li>Using resources</li> </ol>	Exam preparation	GCSE exams
Year 11: Biology GCSE	<a href="#">Biology Paper 1</a> <ol style="list-style-type: none"> <li>Cell biology</li> <li>Organisation</li> <li>Infection and response</li> <li>Bioenergetics</li> </ol>	Biology paper 1 PPE Biology paper 1 QLA	<a href="#">Biology Paper 2</a> <ol style="list-style-type: none"> <li>Homeostasis and response</li> <li>Inheritance, variation and evolution</li> <li>Ecology</li> </ol> Biology paper 1 & 2 PPE	Biology paper 2 QLA	Exam preparation	GCSE exams



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Year 11: Chemistry GCSE	<a href="#">Chemistry Paper 1</a> <ol style="list-style-type: none"><li>1. Atomic structure and periodic table</li><li>2. Bonding, structure and properties of matter</li><li>3. Quantitative chemistry</li><li>4. Chemical changes</li><li>5. Energy changes</li></ol>	Chemistry paper 1 PPE Chemistry 1 QLA	<a href="#">Chemistry Paper 2</a> <ol style="list-style-type: none"><li>1. Rate and extent of chemical change</li><li>2. Organic chemistry</li><li>3. Chemical analysis</li><li>4. Chemistry of the atmosphere</li><li>5. Using resources</li></ol> Chemistry paper 1 & 2 PPE	Chemistry paper 2 QLA	Exam preparation	GCSE exams
Year 11: Physics GCSE	<a href="#">Physics Paper 1</a> <ol style="list-style-type: none"><li>1. Energy</li><li>2. Electricity</li><li>3. Particle model of matter</li><li>4. Atomic structure</li></ol>	Physics paper 1 PPE Physics paper 1 QLA	<a href="#">Physics Paper 2</a> <ol style="list-style-type: none"><li>1. Forces</li><li>2. Waves</li><li>3. Magnetism and electromagnetism</li><li>4. Space</li></ol> Physics paper 1 & 2 PPE	Physics paper 2 QLA	Exam preparation	GCSE exams