

Curriculum Map for SCIENCE: 2022-2023

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y7	<p style="text-align: center;">Particles Cells, tissues and organs Energy</p>		<p style="text-align: center;">Reproduction Chemical reactions Forces and motion</p>		<p style="text-align: center;">Ecology Atoms and the periodic table</p>	
Y8	<p style="text-align: center;">Digestion and nutrition Electricity and magnetism Materials and the Earth</p>		<p style="text-align: center;">Reactivity Light and space Plants and photosynthesis</p>		<p style="text-align: center;">Matter Sound Waves Biological systems and processes</p>	
Y9	<p style="text-align: center;">Cell Biology Chemical reactions Forces & Motion</p>		<p style="text-align: center;">Organisation & Bioenergetics Energy changes, rates of reaction The particle model</p>		<p style="text-align: center;">Ecology Energy and heat</p>	
Y10	<p style="text-align: center;"><u>Biology</u> Ecology</p> <p style="text-align: center;"><u>Chemistry</u> Atomic structure, Bonding, Quantitative Chemistry</p> <p style="text-align: center;"><u>Physics</u> Electricity and Magnetism</p>		<p style="text-align: center;"><u>Biology</u> Infection and Response</p> <p style="text-align: center;"><u>Chemistry</u> Chemical change</p> <p style="text-align: center;"><u>Physics</u> Magnetism & Atomic Structure</p>		<p style="text-align: center;"><u>Biology</u> Homeostasis</p> <p style="text-align: center;"><u>Chemistry</u> Extent of chemical reactions</p> <p style="text-align: center;"><u>Physics</u> The Particle Model & Waves</p>	
Y11	<p style="text-align: center;"><u>Biology</u> Genetics and Evolution</p> <p style="text-align: center;"><u>Chemistry</u> Organic Chemistry, Chemical Analysis</p> <p style="text-align: center;"><u>Physics</u> Waves & Forces</p>		<p style="text-align: center;"><u>Biology</u> Revise Year 9 Topics</p> <p style="text-align: center;"><u>Chemistry</u> Atmosphere (Earth's resources are incorporated into other modules)</p> <p style="text-align: center;"><u>Physics</u> Forces & Space</p>		<p style="text-align: center;">Exam Preparation</p>	

<p>Y12</p>	<p><u>Biology</u> SL: Cells HL: Human Physiology</p> <p><u>Chemistry</u> SL+ HL: Quantitative Chemistry Atomic structure Periodicity Bonding</p> <p><u>Physics</u> Waves (HL & SL)</p> <p><u>Nature of Science</u> Energy and Particles & The Universe</p>	<p><u>Biology</u> SL: Molecular Biology HL: Plant Biology and Nucleic Acids</p> <p><u>Chemistry</u> SL + HL: Energetics, Kinetics, Equilibrium</p> <p><u>Physics</u> Mechanics (SL) and Quantum and Particle Physics (HL)</p> <p><u>Nature of Science</u> Nature of Our Planet & Evolution</p>	<p><u>Biology:</u> SL: Genetics and IA HL: Metabolism and HL Genetics</p> <p><u>Chemistry:</u> Acids and alkalis</p> <p><u>Physics:</u> Gravitational and electric fields (SL + HL)</p> <p><u>Nature of Science:</u> Energy & Physical Resources & Transport</p>
<p>Y13</p>	<p><u>Biology:</u> SL: Optional Module: Ecosystems HL: Optional module: Ecosystems and Human Physiology</p> <p><u>Chemistry:</u> Organic Chemistry</p> <p><u>Physics:</u> Electrical and magnetic fields (SL & HL)</p> <p><u>Nature of Science:</u> Transport, Communications & Food Security</p>	<p><u>Biology:</u> SL: Human Physiology HL: Exam preparation</p> <p><u>Chemistry:</u> Organic Chemistry</p> <p><u>Physics:</u> Astrophysics (SL & HL)</p> <p><u>Nature of Science:</u> Medicine & Human Impact on the Planet</p>	<p>Exam Preparation</p>