

Science Curriculum Overview

Below is a curriculum overview, showing what is taught at each stage of the year.

	Cycle 1	Cycle 2	Cycle 3
Year 7	<p>Topic: Biology</p> <p>Overview: Cells, Microscopes, Digestion and Enzymes, Reproduction, Hormones, STIs and Contraception</p> <p>Mid-Cycle Assessment: Multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: Chemistry</p> <p>Overview: The Particle Model and State Changes, Separation Techniques, Structure of the Atom, the Periodic Table, and Chemical Reactions</p> <p>Mid-Cycle Assessment: Multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: Physics</p> <p>Overview: Energy and Efficiency, Heat Transfer, Energy Resources, Motion, Forces, and Newton's Laws</p> <p>Mid-Cycle Assessment: Multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>

	Cycle 1	Cycle 2	Cycle 3
Year 8	<p>Topic: Biology</p> <p>Overview: Osmosis, Genetics, Evolution, Health and Disease, and the Immune System</p> <p>Mid-Cycle Assessment: Multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: Chemistry</p> <p>Overview: Atomic Structure, Groups in the Periodic Table, Rates of reaction, Reactions with Acids, Bonding, Fuels and Combustion</p> <p>Mid-Cycle Assessment: Multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: Physics</p> <p>Overview: Waves – Sound and the Electromagnetic Spectrum, Density, Electricity, and Space</p> <p>Mid-Cycle Assessment: Multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>

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Year 9	<p>Topic: CB9, CC1/2, CP3</p> <p>Overview: Ecosystems, States of Matter and Separation Techniques, Energy Changes</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: CB1, CC4/5, CP4/5</p> <p>Overview: Key Concepts in Biology, Structure of the Atom, the Periodic Table, Waves and the Electromagnetic Spectrum</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: CB6, CC5-7, CP1/2</p> <p>Overview: Plants, Bonding and Properties, Motion and Forces</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>

	Cycle 1	Cycle 2	Cycle 3
Year 10	<p>Topic: CB6, CC8, CP1, CB7, CC9</p> <p>Overview: Plants, Acids and Alkalis, Motion, Hormones, Ecosystems</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: CB5, CC10-12, CP2, CP9</p> <p>Overview: Health and Disease, Electrolysis, Extraction of metals and Equilibria, Forces, Electric Circuits</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: CB2, CC13-15, CP10-11</p> <p>Overview: Cells and Control, Groups in the Periodic Table, Rates of Reaction and Energy Changes, Magnets, Electromagnets and Induction</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>

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Year 11	<p>Topic: CB2, CB3, CB7, CP6, CP9</p> <p>Overview: Cells and Control, Genetics, Hormones, Radioactivity, Electric Circuits</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: CB4, CC16-17, CP10-11, CP12-13</p> <p>Overview: Natural Selection, Fuels, Earth and Atmospheric Sciences, Magnets, Electromagnets and Induction, Particles and Matter</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>	<p>Topic: Revision</p> <p>Overview: Paper 1 topics, Paper 2 topics, Core Practical skills, Calculation skills, Exam skills</p> <p>Mid-Cycle Assessment: End of topic multiple choice questions</p> <p>Assessment Week: Exam-style questions</p>