



**OVERVIEW**

The Curriculum in Science is based on the National Curriculum, but is modified to allow completion before GCSE Science begins in Year 9.

Term	Focus	Assessment
Aut 1	<ul style="list-style-type: none"><li>Introduction to Chemistry: Particles, properties of solids, liquids and gases, changing state, separating mixtures of substances.</li></ul>	End of unit assessment, within unit short Core Question assessments
Aut 2	<ul style="list-style-type: none"><li>Introduction to Biology: Cells, Tissues and Organs, including digestion, breathing and how the skeletomuscular system help us move.</li></ul>	End of unit assessment, within unit short Core Question assessments
Spr 1	<ul style="list-style-type: none"><li>Introduction to Physics: Different types of energy, energy transfers and energy efficiency.</li><li>Biology: Reproduction, Variation (genetic and environmental) and inheritance of features</li></ul>	Mid-year assessment, within unit short Core Question assessments
Spr 2	<ul style="list-style-type: none"><li>Chemistry: Chemical reactions Part 1</li></ul>	End of unit assessment, within unit short Core Question assessments
Sum 1	<ul style="list-style-type: none"><li>Physics: Forces and motion: balanced and unbalanced forces, graphs of motion</li></ul>	End of unit assessment, within unit short Core Question assessments
Sum 2	<ul style="list-style-type: none"><li>Biology: ecology</li></ul>	End of year assessment to include all material

**Home Learning:**

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- Students are expected to complete a number of mini-quizzes in their yellow books each week

**Useful resources:**

- Mini quiz generator (found on ShowMyHomework)



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Aut 1	<ul style="list-style-type: none"><li>Physics: light and space</li></ul>	End of unit assessment, within unit short Core Question assessments
Aut 2	<ul style="list-style-type: none"><li>Chemistry: Atoms, elements and compounds, and the Periodic Table</li></ul>	End of unit assessment, within unit short Core Question assessments
Spr 1	<ul style="list-style-type: none"><li>Biology: digestion and nutrition</li></ul>	Mid-year assessment, within unit short Core Question assessments
Spr 2	<ul style="list-style-type: none"><li>Physics: electricity and magnetism</li></ul>	End of unit assessment, within unit short Core Question assessments
Sum 1	<ul style="list-style-type: none"><li>Chemistry: materials and the Earth</li></ul>	End of unit assessment, within unit short Core Question assessments
Sum 2	<ul style="list-style-type: none"><li>Biology: plants and photosynthesis</li><li>Physics: matter</li></ul>	End of year assessment to include all material

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GCSE Combined Science begins in Year 9 and we follow the AQA Trilogy curriculum. Combined Science leads to 2 GCSE awards  
For higher-attaining students, we also offer Separate Sciences, beginning in Year 10 in an option block

Term	Focus	Assessment
Aut 1	<ul style="list-style-type: none"><li>C1: Atomic structure and the periodic table</li></ul>	End of topic tests Required Practicals
Aut 2	<ul style="list-style-type: none"><li>B1: Cell biology</li></ul>	End of term test Required Practicals
Spr 1	<ul style="list-style-type: none"><li>P1: Energy</li></ul>	End of topic tests Required Practicals
Spr 2	<ul style="list-style-type: none"><li>C2: Bonding, structure and the properties of matter</li></ul>	Spring assessment: 1 exam paper, combining Biology, Chemistry and Physics
Sum 1	<ul style="list-style-type: none"><li>B2: organisation</li></ul>	End of topic tests Required Practicals
Sum 2	<ul style="list-style-type: none"><li>P2: Electricity</li><li><i>Based on the results of the Year 9 mock exams, and assessments of progress throughout Year 9, the highest-attaining student will be offered the chance to study Triple Science in Years 10 and 11.</i></li></ul>	Summer exams: 1 Biology paper, 1 Chemistry paper, 1 Physics paper

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Aut 1	<ul style="list-style-type: none"> <li>C3: Quantitative Chemistry and B3: Infection and Response taught simultaneously by two different teachers</li> </ul>	End of topic tests Required Practicals
Aut 2	<ul style="list-style-type: none"> <li>C3: Quantitative Chemistry and B3: Infection and Response taught simultaneously by two different teachers</li> </ul>	End of term test Required Practicals
Spr 1	<ul style="list-style-type: none"> <li>C4: Chemical changes, C5: energy changes and B4: Bioenergetics taught simultaneously by two different teachers</li> </ul>	End of topic tests Required Practicals
Spr 2	<ul style="list-style-type: none"> <li>P3: Particle model of matter</li> </ul>	Spring assessment: 1 exam paper, combining Biology, Chemistry and Physics
Sum 1	<ul style="list-style-type: none"> <li>P4: Atomic structure</li> </ul>	End of topic tests Required Practicals
Sum 2	<ul style="list-style-type: none"> <li><i>Results of summer mocks will determine the tier students are entered into for their November mocks in year 11</i></li> </ul>	Summer mock: 1 Biology paper, 1 Chemistry paper, 1 Physics paper

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Aut 1	<ul style="list-style-type: none"> <li>B5: Homeostasis and response</li> <li>C6: The rate and extent of chemical change</li> <li>C7: Organic chemistry</li> </ul>	End of topic tests  Required Practicals
Aut 2	<ul style="list-style-type: none"> <li>P5: Forces</li> <li>B6: Inheritance, variation and evolution</li> </ul> <p><i>Results of November mocks will determine the tier students are entered into for March mocks and GCSE exams</i></p>	End of term test  Required Practicals  November Mocks
Spr 1	<ul style="list-style-type: none"> <li>C8: Chemical analysis</li> <li>P6: Waves</li> <li>B7: Ecology</li> </ul>	End of topic tests  Required Practicals
Spr 2	<ul style="list-style-type: none"> <li>C9: Chemistry of the atmosphere</li> <li>P7: Magnetism and electromagnetism</li> <li>C10: Using resources</li> </ul>	March mocks
Sum 1	<ul style="list-style-type: none"> <li>Exam preparation and consolidation</li> </ul>	
Sum 2		Summer exams: 2 Biology paper, 2 Chemistry paper, 2 Physics paper

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