



Year 11

Overview	In Year 11, ecology, inheritance and evolution is taught building on students' knowledge of ecology and variation from Year 7. In chemistry, organic chemistry and chemical analysis builds on students' knowledge of particles from Year 7. Students also learn about resources and the chemistry of the atmosphere, as well as forces, waves, and magnetism.
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Autumn Term	Biology B7 Ecology B6 Inheritance and variation	Assessment
	Chemistry C7 Organic Chemistry C8 Chemical Analysis	<ul style="list-style-type: none"> ■ Mini tests covering short term recall ■ Synoptic tests covering multiple units and longer-term recall ■ Mock Exams (Paper 1) ■ Digital Platforms: SPARX Science, Seneca and Carousel Learning ■ Biology Required Practical: Measuring population size (sampling) ■ Chemistry Required Practical: Paper chromatography ■ Physics Required Practical: Extension of a spring, acceleration and force
Physics P5 Forces		

Spring Term	Biology B6 Inheritance and variation	Assessment
	Chemistry C9 Atmosphere C10 Use of Earth's Resources	<ul style="list-style-type: none"> ■ Mini-tests covering short term recall ■ Synoptic tests covering multiple units and longer term recall ■ Mock Exams (Paper 2) ■ Digital Platforms: SPARX Science, Seneca and Carousel Learning ■ Biology Required Practical: ■ Chemistry Required Practical: Analysis and purification of water samples ■ Physics Required Practical: Waves, Radiation
Physics P6 Waves P7 Magnetism and Electromagnetism		

Summer Term	Biology, Chemistry and Physics GCSE consolidation and exam preparation	Assessment
		<ul style="list-style-type: none"> ■ Mini tests ■ Digital Platforms: SPARX Science, Seneca and Carousel Learning <p>GCSE External examinations (Combined Science, 1h15min x 6, 33.3 % of end of year grade)</p> <ul style="list-style-type: none"> ■ Biology Paper 1: Units 1-4 - ■ Chemistry Paper 1: Units 1-5 ■ Physics Paper 1: Units 1-4 ■ Biology Paper 2: Units 5-7 ■ Chemistry Paper 2: Units 6-10 ■ Physics Paper 2: Units 5-7 <p>Separate Science, 1h 45min, two papers/science of overall grade)</p>

Useful Resources for Supporting Your Child at Home:	Homework:
<ul style="list-style-type: none">■ Sparx Science – homework platform■ Carousel – revision & study pack flash-cards■ Seneca – interactive revision■ Physics and maths tutor – online exam question bank & flashcards■ Youtube – Free Science lessons■ Savemyexams – useful exam practice website	<ul style="list-style-type: none">■ Digital Platforms: Sparx Science