

Year 11 Science - Overview of Content

Biology

	Autumn Term		Spring Term		Summer Term	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Trilogy Double Award - Topic Overview	The human nervous system Hormonal coordination	Reproduction Variation and evolution	Genetics and evolution Organising an ecosystem	Biodiversity and ecosystems	Revision and Examination preparation
Assessment	End of topic tests (to include questions based on required practicals and maths skills) and /or assessed homework					
Separate Sciences - Topic Overview	The human nervous system Hormonal coordination	Homeostasis in action Reproduction	Variation and evolution Genetics and evolution	Organising an ecosystem Biodiversity and ecosystems	Revision and Examination preparation	
Assessment	End of topic tests (to include questions based on required practicals and maths skills) and /or assessed homework					

Chemistry

	Autumn Term		Spring Term		Summer Term	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Trilogy Double Award - Topic Overview	Rate and extent of a chemical change	Chemical analysis	Chemistry of the atmosphere	Using resources	Consolidation and revision
	Rate of reaction and reversible reactions	Purity, formulations, chromatography and identifying common gases	Composition and evolution of earth's atmosphere, Greenhouses gases and air pollutants	Using the Earth's resources, potable water and recycling	Revision of a variety of topics, practicals and exam technique	
Assessment	Rate and extent of a chemical change test	MOCK examination	MOCK examination 2	Chemistry of the atmosphere and using resources test	Exam practice	
Separate Sciences - Topic Overview	Rate and extent of a chemical change	Chemical analysis	Chemistry of the atmosphere	Using resources	Completion of content, consolidation and revision	Exam season
	Rate of reaction, reversible reactions and dynamic equilibrium	Purity, formulations, chromatography and identifying common gases and ions	Composition and evolution of earth's atmosphere, Greenhouses gases and air pollutants	Using the Earth's resources, potable water, recycling, using materials and the Haber process	Revision of a variety of topics, practicals and exam technique	
Assessment	Rate and extent of a	MOCK examination	MOCK examination 2	Chemistry of the	Exam practice	

Physics

	Autumn Term		Spring Term		Summer Term	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Trilogy Double Award - Topic Overview	Waves basics	Magnetism	Revision of electricity	Revision of forces	Exam practice
	Electromagnetic waves	Electromagnetism	Revision of atomic structure	Revision of energy		
Assessment	Waves test	Magnetism and electromagnetism test and MOCK examination	MOCK examination 2			
Separate Sciences - Topic Overview	Energy resources	Specific latent heat and particle motion in gases	Properties of waves	Magnetic fields	Life cycle of stars	Exam season
	Energy resources test, Density and states of matter	Particle model of matter test, Wave basics	Electromagnetic waves, Lenses and other waves	Motor effect, Generator effect and transformers	Solar system and orbits Red-shift and the big bang	
Assessment	Internal energy and changes of state	MOCK examination	Waves test and MOCK examination 2	Magnetism and electromagnetism test	Exam practice	