

Year 11 Curriculum Plan 2024 - 2025

Topics	Nervous and hormonal coordination			Chemical calculations		Electrolysis		Forces in Balance		Forces in Motion	
Autumn	Structure of the nervous system, Nerve Pathways	Reflex responses,	hormones, contraceptions and IVF	Relative Atomic mass & Formula mass, Theoretical, actual and percentage yield		Electrolysis equations, movement of ions and the prediction of products	Electrolysis of Aluminium and	Vector and Scalar. Forces between objects and Resultant forces	Moments, Levers and Gears. Equilibrium	Time and graphs.	Mass and Weight. Stopping distances

Topics	Oil, The atmosphere and Earth's resources				Waves		Electromagnetism and Magnetic fields		Genetics, Variation and evolution			
Spring	Crude oil & its composition, fractional distillation, cracking, Combustion		Uses of the Earths resources, Potable water, Sewage.	assessments, reduce, reuse,	Properties of Waves. Measuring the speed of waves	EM Spectrum, Frequencies, Uses and Dangers	Electromagnetism	appliances, Supply	Asexual reproduction, DNA	Genes and chromosomes, punnett Squares and family trees	preeding (-M	The theory of Evolution, fossils, extinction events

Topics	Chemical analysis		Biodiversity and Human Impact	Radioactivity	ctivity Chemistry revision Biology revision		revision	Physics Revision	
Summer	Pure substances, melting point. Chromatography and Rf Values		Biodiversity, Pollution, Global Warming,	Atoms, Discovery of Atomic Structure, Alpha, Beta and Gamma Radiation and radioactive decay, Half life, Uses, Fission, Fusion and Nuclear issues					

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