

Biology				
Topic	Lesson Number	Lesson Title	Number of lessons needed	Tier
Inheritance	1	Meiosis and Fertilisation	1	
	2	Sexual and Asexual Reproduction	1	
	3	Genes, DNA and Chromosomes	1	
	4	Protein Synthesis	1	Triple
	5	Genetic Inheritance	1	
	6	Inherited Disorders & screening	1	
	7	Sex and Family Trees	1	
	8	Mendel	1	Triple
	9	Variation and Natural Selection	1	
	10	Evolution and Extinction	1	
Mocks + Revision		Revision for paper 1 - Mock Week Commencing 10 November		
Inheritance	1	Darwin and Wallace	1	Triple
	2	Speciation	1	Triple
	3	Evidence of Evolution 1	1	
	4	Evidence for Evolution 2	1	
	5	Selective breeding	1	
	6	Genetic Engineering		
	7	Cloning		Triple
	8	Classification		
	9	Revision		
Ecology	1	Biomass and Energy Transfer	1	Triple
	2	RP Fieldwork re-cap abundance		
	3	RP Fieldwork re-cap distribution - transects		
	4	Communities		
	5	Biotic and Abiotic Factors		
	6	Adaptations		
	7	Food Security and Farming	1	Triple
	8	Nutrient Cycles - water cycle & decay	1	
	9	Nutrient Cycles - carbon cycle	1	
	10	RP Decay 1	1	Triple
	11	RP Decay 2	1	Triple
	12	Global Warming - population increase, deforestation &	1	
	13	Global warming - air, land and water pollution		
	14	Biodiversity	1	
Revision + Mock	Revision for Paper 2 - Mock week Commencing 2 March 2026			
		RP Fieldwork Revision		
		Communities		
		Biotic and Abiotic Factors	1	
		Adaptations	1	
		Cardiovascular and Respiratory System	1	
		Cell Division and Stem cells	1	
		Cells and Microscopes	1	
		Culturing Microbes	1	Triple
		Diffusion Osmosis and AT	1	
		Enzymes	1	
		Food Tests and Digestion	1	
		Infection and Response	1	
		Monoclonal Antibodies, Plant disease	1	Triple
		Non communicable Disease	1	
		Photosynthesis	1	
		Plant Infection and Drug development	1	
		Plant Organisation and Transport	1	
		Respiration and Metabolism	1	
		Homones & fertility	1	
		Reaction times RP	1	
		Selective breeding and engineering	1	
		Water Balance and Kidney	1	Triple
		Homeostasis glucose & water		
		Estimating populations RP		
		Plant responses RP		Triple

Chemistry				
Topic	Lesson Number	Lesson Title	Number of lessons needed	Tier
Organic Chemistry	1	Crude oil and Alkanes	1	
	2	Fractional Distillation	1	
	3	Cracking	1	
	4	Using Crude Oil Products	1	
	5	Reactions of Alkenes	1	Triple
	6	Alcohols	1	Triple
	7	Combustion of Alcohols	1	Triple
	8	Carboxylic Acids	1	Triple
	9	Synthetic Polymers	1	Triple
	10	Natural Polymers	1	Triple
	11	Revision	1	
Mocks + Revision	1	Revision for paper 1 - Mock Week Commencing 10 November		
	2			
	3			
Chemical Analysis	1	Pure Substances and Formulations	1	
	2	Required Practcial Chromatogrpahy	1	
	3	Chromatagram Analysis	1	
	4	Gas Tests	1	
	5	Cation Analysis	1	Triple
	6	Anions Analysis	1	Triple
	7	Identifying Unknowns	1	Triple
	8	Flame Emission Spectroscopy	1	Triple
	9	Revision	1	
Atmosphere	1	Atmosphere Past and Present	1	
	2	Greenhouse gases	1	
	3	Climate Change and Carbon Footprint	1	
	4	Other Pollutants	1	
Using Resources	1	Use of Earths Resources	1	
	2	Life Cycle Assessment	1	
	3	Alternative Metal Extraction	1	Higher
	4	Corrosion Prevention	1	Triple
	5	Alloys	1	Triple
	6	Ceramics, Polymers and Composites	1	Triple
	e	Required Practical Potable Water 1	1	
	8	Required Practcial Potable Water 2	1	
	9	Waste Water Treatement	1	
	10	Haber Process	1	Triple
	11	NPK Fertilizers 1	1	Triple
	12	NPK Fertilizers 2	1	Triple
	13	Revision	1	
Revision + Mock		Atomic Model	1	
		Periodic Table	1	
		Bonding and Properties	1	
		Polymers and Carbon	1	
		Calculations RFM and Solution	1	
		Calculations Moles and Reacting masses	1	
		Reactivity of Metals	1	
		Making Salts	1	
		Strength and Conc.		Higher
		Electrolysis		
		Energy Changes		
		Mock 2 Week Commencing 2 March 2026		
		Chromotography	1	Higher
		Organic Chem	1	
		Purification of Water	1	
		Rates RP 1	1	
		Rates RP 2	1	
		Reversible Reactions	1	

Physics			
Topic	Lesson Number	Lesson Title	Tier
Forces	1	Forces and Interactions	
	2	Weight Mass and Gravity	
	3	Resultant Forces	
	4	Forces and Work	
	5	Forces and Eleticity Part 1	
	6	Forces and Elasticity Part 2	
	7	Moments and Levers	Triple
	8	Moments and Gears	Triple
	9	Pressure	Triple
	10	Pressure in Liquids	Triple
	11	Atmospheric Pressure	Triple
	12	Speed Distance Time	
Mocks + Revision	1	Revision for paper 1 - Mock Week Commencing 10 November	
	2		
Forces	13	Acceleration	
	14	Velocity and Acceleration	
	15	Terminal Velocity	
	16	Newton's 1st and 2nd Law	
	17	RP Acceleration 1	
	18	RP Acceleration 2	
	19	Forces and Braking	
	20	Momentum	HT
	21	Car Safety	Triple
	22	Revision	
Waves	1	Waves	
	2	Wave Calculations	
	3	Sound in air	
	4	RP Wave speed in liquids	
	5	RP Wave speed in solids	
	6	RP Refelction	Triple
	7	RP Refraction	Triple
	8	Sound Waves	Triple
	9	Using sound to detect	Triple
	10	EM Waves and Properties	
	11	Dangers of EM	Triple
	12	Waves at Boundaries	
	13	RP Infrared	
	14	Lenses	Triple
	15	Visible Light	Triple
	16	Black Body Radiation	Triple
	17	Revision	
Magnetism and Electromagnetism	1	Magnetism	
	2	Magnetic Fields	
	3	Electromagnetism	
	4	Motor Effect	HT
	5	Motors	HT
	4	Mock 2 Feb Combined and triple papers sat	
	5		
Magnetism and Electromagnetism	6	EM Induction and Generators	Triple
	7	EM Devices	Triple
	8	Transformers	Triple
	9	Transformer Equations	Triple
	10	Revision	
Space	1	The Solar System	Triple
	2	Orbits	Triple
	3	Life Cycle of Stars	Triple
	4	Element Synthesis	Triple
	5	Origins of Universe	Triple
	6	CMBR	Triple
	7	Revision	Triple
Revision		Changes of State	
		Current Pd and Resistance	
		Electrical Power and Energy Cals	
		Electricity use and distribution	
		Energy Resources	
		Energy Stores and Transfers	
		Particle Model and Density	
		Power and Efficiency	
		Radioactive Radiation	
		Series and Parallel Circuits and Components	
		Specific Heat Capacity	
		Infra Red RPA	
		Waves PRA	
		Hookes Law RPA	
		F=MA RPA	