

Year 11 Science Curriculum		
Term 1	Topic	Details
1	<b>B9 Coordination and homeostasis</b>	Coordination in animals, the human nervous system, the eye, hormones, Coordination and response in plants, homeostasis
2	<b>C6 Quantitative Chemistry 1</b>	Chemical analysis and formulae, the mole and chemical formulae, the mole and chemical equations
3	<b>C6 Quantitative Chemistry 2</b>	Calculations involving gases, moles and solution chemistry
4	<b>C9 Industrial inorganic chemistry 1</b>	The extraction of metals by carbon reduction, The extraction of metals by electrolysis
5	<b>C9 Industrial inorganic chemistry 2</b>	Ammonia and fertilisers, sulfur and sulfuric acid, The chlor-alkali industry, limestone, recycling metals
6	<b>C10 Organic Chemistry 1</b>	The unique properties of carbon, alkanes, alkenes, hydrocarbon structure,
7	<b>C10 Organic Chemistry 2</b>	Chemical reactions in alkanes, chemical reactions in alkenes, alcohols, the reactions of ethanol
8	<b>Mid Term Test and Review</b>	
9	<b>P17 Electric Charge</b>	A bright spark, charging and discharging, explaining static electricity
10	<b>P20 Electromagnetic forces</b>	Electricity meets magnetism, the magnetic effect of a current, forces on a current-carrying conductor
11	<b>P21 Electromagnetic induction</b>	The generator effect, uses of the generator effect, transformers

12	<b>P22 Atomic Physics</b>	Atomic structure, radioactivity allaround, the microscopic picture, radioactive decay, using radioisotopes
13	<b>Review Chemistry Y10 &amp; Y11 to date</b>	
14	<b>Review Biology U10 &amp; Y11 to date</b>	
15	<b>Review Physics Y10 &amp; Y11 to date</b>	
16	<b>End of Term Test and Review</b>	

Term 2	Topic	Details
1	<b>C11 Petrochemicals and polymers</b>	Petroleum, alternative fuels and energy sources, addition polymerisation, condensation polymerisation
2	<b>C12 Chemical analysis and investigations</b>	Chemical analysis, inorganic analysis, organic analysis, experimental design and investigations, practical skills
3	<b>B10 Reproduction in Plants</b>	Asexual and sexual reproduction, flowers, comparing sexual and asexual reproduction
4	<b>B11 Reproduction in humans</b>	Human reproductive organs, fertilisation and development, the menstrual cycle, HIV/AIDS
5	<b>P12 Sound</b>	Making sounds, At the speed of sound, Seeing sounds, how sound travels
6	<b>P13 Light, P15 Spectra</b>	How far to the moon, reflecting light, refraction of light, total internal reflection, Lenses. Infrared, ultraviolet, electromagnetic waves
7	<b>B5 Animal nutrition</b>	Diet, digestion, teeth, the alimentary canal
8	<b>Review and Test</b>	
9	<b>Revision for IGCSE Exams</b>	
10	<b>Revision for IGCSE Exams</b>	
11	<b>Past Papers 1</b>	
12	<b>Revision for IGCSE Exams</b>	
13	<b>Revision for iGCSE Exams</b>	
14	<b>Past Papers 2</b>	
15	<b>Revision for iGCSE Exams</b>	
16	<b>Revision for iGCSE Exams</b>	