



Curriculum Plans – Year 12 - Chemistry

Please find below a detailed outline of the curriculum covered in Science through Year 12 in Key Stage 5.

BLOCK	1	2	3	4	5	6	7
Dates	28th August - 27th September (5 weeks)	2nd October - 27th October (4 weeks)	6th November - 15th December (6 weeks)	3rd January - 2nd February (5 weeks)	12th February - 22nd March (6 weeks)	2nd April - 26th April (4 weeks)	6th May - 21st June (7 weeks)
Topics	Atomic structure (Unit 1) Atoms, molecules and stoichiometry (Unit 2) Chemical bonding (Unit 3)	States of matter (Unit 4) Chemical energetics (Unit 5) Electro-chemistry (Unit 6) Practical skills	Equilibria (Unit 7) Reaction kinetics (Unit 8) Practical skills The Periodic Table: chemical periodicity (Unit 9) Group 2 (Unit 10)	Group 17 (Unit 11) Nitrogen and sulfur (Unit 12) An introduction to AS organic chemistry (Unit 13) Hydrocarbons (Unit 14) Halogen compounds (Unit 15)	Hydroxy compounds (Unit 16) Carbonyl compounds (Unit 17) Carboxylic acids and derivatives (Unit 18) Nitrogen compounds (Unit 19) Polymerisation (Unit 20) Organic synthesis (Unit 21) Analytical techniques (Unit 22) Paper 3 practice	AS Level External Examinations	
Assessments	Unit 1-3 Assessment	Unit 1-6 Assessment	Unit 1-9 Assessment	Mock Examinations	Block 1-22 Assessment	External examinations	
Academic Theme	Planning for Tomorrow	The World around us	Better Together	The Working World	Opportunities for Everyone	Keep it Green, Keep it Clean	Healthy Body, Healthy Mind