

Chemistry Curriculum Outline KS5

Year 12

Half term	Teacher 1	Teacher 2
1	3.1.1 Atomic Structure Required practical 1: Titration Research	3.1.2 Amount of substance Required practical 1: Titrations
Assessments:	Mini test, Unit test	
2	3.1.3 Bonding 3.2.1 Periodicity	3.3.1 Introduction to organic 3.3.2 Alkanes
Assessments:	Unit test	
3	3.1.4 Energetics Required practical 2: Calorimetry 3.1.5 Kinetics Required practical 3: Rates	3.3 Haloalkanes 3.4 Alkenes Required practical 5: Distillation
Assessments:	Old unit 1 mock	
4	3.1.6 Equilibria	3.3.5 Alcohols 3.3.6 Organic analysis Required practical 5 organic tests
Assessments:	Rates, Equilibria, Energetics Unit Test	Organic Chemistry: Unit Test
5	3.1.7 Redox	3.2.2 Group 2 3.2.7 Group 7 Required practical 4 Testing for ions
Assessments:	Year 12 Mock Exams: AS Paper 1 – Inorganic and Physical Chemistry	
6	Year 13: 3.1.9 Rate equations (up to Required practical 7:	Year 13: 3.3.10 Aromatics
	End of Year: AS Paper 2 – Organic and Physical Chemistry	

Year 13

Half term	Teacher 1	Teacher 2
1	3.1.10 Acids & Bases Required practical 9: Investigating pH	3.3.7 Optical isomerism 3.3.8 Aldehydes/ Ketones 3.3.9 Carboxylic acids 3.3.11 Amines Required practical 10: Organic prep.
Assessments:	Paper 1 mock. Topic test: rates, Mini test: Acids & Bases	Topic test: Carbonyls/ aromatics Topic test: amines
2	3.1.8 Thermodynamics	3.3.12 Polymers 3.3.13 Proteins & DNA 3.3.14 Organic synthesis 3.3.15 NMR 3.3.16 Chromatography Required practical 12: TLC
Assessments:	Topic test pH Old unit 1 mock	Topic test: Amino acids etc Old unit 2 mock
3	3.1.11 Electrode potentials	3.2.4 Period 3 3.2.5 Transition metals
Assessments:	Old module 4 mock Topic test: thermodynamics	Paper 2 mock Topic test T.M.
4	Finish 3.1.11 Electrode Potentials Required practical 8: emf	3.2.6 Aqueous ions Required practical 11: TM ions
Assessments:	Topic test: Electrode Potentials Mock: paper 1	Topic test: Aq ions Mock: paper 3 (if time)
5	Review & practice	Review & practice