



A2 Chemistry Curriculum (KS5)

 Holly Lodge 11-19 Science College						
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus	UNIT 4	UNITS 4 +5	UNIT 5	UNIT 6	UNITS 4 & 5	UNIT 4 &5
Key Tasks	3.4.1 kinetics 3.4.2 equilibria 3.4.4 nomenclature 3.4.5 carbonyls 3.4.6 aromatic 3.4.7 amines 3.4.8 amino acids	3.4.9 polymers 3.4.10 synthesis and analysis 3.4.11 instrumental analysis 3.5.1 Thermodynamics 3.5.2 Periodicity	3.5.3 redox equilibria 3.5.4 transition metals 3.5.5 inorganic in aq	Chemistry 6T ISA + check PSAs	EXAM PREP UNIT 4 EXAM PREP UNIT 5	EXTERNAL EXAMS
Assessment	3 tests	2 tests	Mock UNIT 4	Unit 6 ISA	Mock Unit 5	EXTERNAL

AS Chemistry Curriculum (KS5)

 Holly Lodge 11-19 Science College						
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus	3.1 Physical chemistry	3.1 Physical chemistry	3.2 Inorganic chemistry	3.3 Organic chemistry	Exam Preparation	As Exam Start A2 Content
Key Tasks	3.1.1 Atomic structure 3.1.2 Amount of substance 3.1.3 Bonding	3.1.4 Energetics 3.1.5 Kinetics 3.1.6 Chemical equilibria, Le Chatelier's principle and Kc 3.1.7 Oxidation, reduction and redox equations	3.2.1 Periodicity 3.2.2 Group 2, the alkaline earth metals 3.2.3 Group 7(17), the halogens	3.3.1 Introduction to organic chemistry 3.3.2 Alkanes 3.3.3 Halogenoalkanes 3.3.4 Alkenes 3.3.5 Alcohols 3.3.6 Organic analysis	Revise 3.1, 3.2 and 3.3	3.1.10 Equilibrium constant Kp for homogeneous systems 3.1.11 Electrode potentials and electrochemical cells
Assessment	2 Assessments	1 Assessment Mock exam	2 Assessments	2 Assessment	Mock Exam	External Exam