

KS5 Chemistry Curriculum Map

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12	2.1 - Atoms and Reactions 2.2 - Electrons, Bonding and Structure	2.1 - Atoms and Reactions 2.2 - Electrons, Bonding and Structure 4.1 - Core Organic and Hydrocarbons 3.1 - The Periodic Table	4.1 - Core Organic and Hydrocarbons 3.1 - The Periodic Table	4.1 - Core Organic and Hydrocarbons 4.2 - Alcohols, Haloalkanes and Analysis 3.1 - The Periodic Table 3.2 - Physical Chemistry	4.2 - Alcohols, Haloalkanes and Analysis 3.2 - Physical Chemistry	Y12 Review Start Y13 Content Required Practical
	Atomic Structure and Isotopes Formulae and Equations Amount of Substance Electron Structure Ionic Bonding Covalent Bonding Shapes of Molecules	Acids Redox Naming and Representing the Formulae of Organic Compounds Functional Groups Electronegativity Intermolecular Forces Periodicity	Isomerism Mechanisms Alkanes Alkenes Periodicity Group 2 Halogens	Alkenes Polymers Alcohols Halogens Qualitative Analysis Enthalpy	Alcohols Haloalkanes Synthesis Analytical Techniques Enthalpy Rates Equilibrium	

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 13	5.2 - Energy 5.1 - Rates, Equilibrium and pH	5.3 - Transition Elements 5.1 - Rates, Equilibrium and pH 6.1 - Aromatic Compounds, carbonyls and Acids	6.1 - Aromatic Compounds, carbonyls and Acids 6.2 - Nitrogen Compounds, Polymers and Synthesis 6.3 - Analysis	6.2 - Nitrogen Compounds, Polymers and Synthesis 6.3 - Analysis	Revision and Required Practical Catch-up	
	Lattice Enthalpies Entropy Redox Rates Equilibrium Acids and Bases	Transition Metal Chemistry Carbonyls Aromatics	Carbonyls Carboxylic Acids Esters Amines Amino Acids, Amides, Chirality Aromatics Chromatography Spectroscopy	Amino Acids, Amides, Chirality Polymers Carbon Carbon Bond Formation Organic Synthesis Spectroscopy Qualitative Analysis		



Academic
Excellence

We provide a supportive and challenging environment to ensure our students achieve academic excellence.



Ambition

We have the highest expectations for academic excellence and personal development and work hard to achieve them.