



The Grey Coat Hospital

Key Stage Five Curriculum Plan - *Subject: Chemistry*



Year 12

Half Term (HT)	Topic Area / Focus Physical and Inorganic Chemistry:	Topic Area / Focus Organic Chemistry:
HT1	Atomic Structure Electronic Structure Periodicity	Compounds, Formulae, Equations Amount of Substance
HT2	Bonding & Structure Redox 1 Group 2 in the Periodic Table Group 7 in the Periodic Table	Acids Basic Concepts of Organic Chemistry
HT3	Quantitative Analysis Enthalpy Changes and Calorimetry	Alkanes and Alkenes
HT4	Enthalpy Changes – Bond Enthalpy and Hess Cycles Reaction Rates	Alcohols Haloalkanes
HT5	Reaction Rates (Y13) Equilibrium	Organic Synthesis Analytical Techniques Aromatic Chemistry
HT6	Revision	Revision



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	Finish Equilibrium	Finish Aromatic
Year 13		
Half Term (HT)	Topic Area / Focus Physical and Inorganic Chemistry:	Topic Area / Focus Organic Chemistry:
HT1	Equilibrium Acids, Bases, Buffers	Carbonyl Compounds Carboxylic Acids and Derivatives Amines
HT2	Acids, Bases, Buffers Lattice Enthalpy Enthalpy & Entropy	Amino Acids, Amides and Chirality Analysis Recap Spectroscopy
HT3	Enthalpy & Entropy Mocks Electrode Potentials	Spectroscopy Mocks Condensation Polymers
HT4	Electrode Potentials Transition Elements	Carbon-Carbon Bond Formation Organic Synthesis
HT5	Ligands Revision	Revision
HT6	No further lessons take place	



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