



Long Term Plan

IAL Chemistry



2021-2022	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1 7 weeks	Spring 2 7 weeks	Summer 7 weeks	
Year 12	Unit 1: 1A. Atoms Elements and Molecules 1B. Equations and Reaction Types 1C. Energy 1D: Empirical and Molecular Formulae 1E. Calculations with solutions and gases. 2A. Atomic Structure 2B. The periodic Table	Unit 1: 3A. Ionic Bonding 3B. Covalent Bonding 3C. Shapes and Molecules 3D. Metallic Bonding 3E. Solid lattices 4A. Introduction to organic Chemistry. 5A. Alkenes 5B. Addition Polymers	Unit 2: 6A. Introducing Enthalpy and Enthalpy Change. 6B. Enthalpy level diagrams 6C. Standard Enthalpy change. 6D. Standard Enthalpy Change of neutralisation. 6E. Standard enthalpy change of formation	Unit 2: 7A. Intermolecular interactions. 7B. Intermolecular interactions and physical properties. 8A. Redox chemistry. 8B. The elements of group 1 and 2. 8C. Inorganic chemistry of group 7. 8D. Quantitative Chemistry.	Unit 2: 9A. Kinetics 9B. Equilibria 10A. General principles of organic chemistry 10B. Halogenoalkanes 10C. Alcohols 10D. Mass spectra and IR.	REVISION
Year 13	Currently no A2 Chemistry course					