A Level Chemistry Curriculum Map

Teacher 1 -Module 2 atoms and bonding, module 4, module 6 and module 5 transition elements

Teacher 2- Module 2 amount of substance and acids and redox, module 3 and module 5 (excluding module 5 transition elements)

Unit 1 Practical skills and techniques are taught alongside the theory covered in modules 2-6

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 12	• Transition from GCSE to A level Module 1 PAG 1 – Moles determination Module 2 • Atoms, ions and compounds • Amount of Substance • Electrons and bonding • Shapes of molecules and intermolecular forces	Module 1 PAG 2 – Acid-base titration Module 2 • Acids and redox Module 3 • Periodic table and energy Module 4 • Basic concepts of organic chemistry • Alkanes • Alkenes	Module 1 PAG 4 – Qualitative analysis of ions Module 3 • Reactivity trends • Enthalpy changes Module 4 • Alcohols • Haloalkanes	Module 3 • Enthalpy cycles • Reaction rates and equilibria Module 4 • Synthetic routes • Spectroscopy	Yr 12 Assessments Module 1 PAG 3 – determination of enthalpy changes PAG 5 – Synthesis of an organic liquid Module 3 • Measuring enthalpy change Module 4 • Synthetic techniques (organic liquids)	Module 1 PAG 6 – Synthesis of an organic solid PAG 9 – rates of reaction – continuous monitoring method PAG 10 – rates of reaction – initial rates method Module 5 • Rates of reaction and the rate equation Module 6 • Aromatic Chemistry • Synthetic techniques (organic solids)
Year 13	Module 5 • Equilibrium constants • Acids, bases and pH Module 6 • Carbonyls and carboxylic acids • Amines, amino acids and proteins	Mock exams PAG 11 pH measurement Module 5 • Buffers and neutralisation Module 6 • Organic synthetic pathways	Module 1 PAG 7 – Qualitative analysis of organic functional groups PAG 12 – Research skills Module 5 • Enthalpy and entropy • Redox Module 6 • Chromatography and spectroscopy	Mock exams Module 1 – PAG 8 - Electrochemical cells Module 5 • Electrode potentials • Transition elements	Revision, consolidation and exam preparation	External A Level Exams