

Curriculum Overview: Chemistry

	Year 10	Year 11	Year 12	Year 13
HT1	C2 Structure and Bonding and the Properties of Matter Lessons 1-12	C6 The Rate and Extent of Chemical Change Lessons 1-10	Introductory unit on Practical skills Module 1 Foundations in Chemistry Chapter 2 Atoms and Electrons Chapter 3 Compounds, Formulae and Equations Chapter 4 Amounts of Substance – moles in solids and gases	Module 5 Chapter 2 How far? Equilibrium Chapter 5 Redox and electrode potentials Module 6 Chapter 1 Benzene and aromatic compounds Chapter 2 Carbonyl Compounds Chapter 9 Carboxylic acids and derivatives
HT2	C3 Chemical Quantities and Calculations Lessons 1-13	C7 Hydrocarbons Lessons 1-10 Two weeks revision paper 1 content for Nov Mocks	Chapter 5 Amounts of substance – moles in solution Chapter 6 Types of Reaction – precipitation, acid-base and redox Chapter 7 Bonding and Structure WTM exams	Module 5 Chapter 6 Transition elements and qualitative analysis Module 6 Chapter 10 Nitrogen Compounds Two weeks revision lessons for Mock exams
HT3	Two week revision on lead up to mid-year exam C4 Chemical Changes Lessons 1-16	C10 Sustainable Development Lessons 1-10 Two weeks revision paper 2 content before 2 nd Mock exams	Module 3 Chapter 8 The Periodic Table and Periodicity Module 4 Chapter 12 Basic Concepts in Organic Chemistry Two weeks in lesson revision for Feb Mocks	Module 5 Chapter 3 Acids, Bases and Buffers Module 6 Chapter 11 Polymers Chapter 12 Organic Synthesis
HT4	C5 Energy Changes Lesson 1-6 Recap C1 from year 9	Recap C9 from year 9 Recap C8 from year 10 Revision	Module 3 Chapter 9 Group 2 and the Halogens, quantitative analysis Chapter 10 Enthalpy Changes	Module 5 Chapter 4 Enthalpy, Entropy and Free Energy

			Module 4 Chapter 13 Hydrocarbons Chapter 14 Alcohols and Haloalkanes Environmental Chemistry Project (covers parts of Module 4 and Module 6)	Module 5 and 6 Recap Analysis Techniques and Revision of Organic Chemistry One week in lesson revision Mock Exams
HT5	Revision on lead up to End of year exam C1-5 Paper 1 content C8 Chemical Analysis Lessons 1-2	Revision	Module 3 Chapter 11 Rates and Equilibria Module 4 Chapter 15 Organic Synthesis and Analytical Techniques	Revision Catch up of PAGs if requires
HT6	C8 Chemical Analysis Lessons 3-8		Module 5(A2)Chapter 1 how Fast Rates of Reaction Module 6 (A2) Chapter 13 Analysis One week revision for EOY Exam PAGs	