

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
12	<p>Topic 1 Introduction to organic chemistry Alkanes</p> <p>Topic 2 Atomic Structure Amount of substance</p>	<p>Topic 1 Halogenoalkanes Bonding</p> <p>Topic 2 Required practical – 1a Required practical – 1b Energetics</p>	<p>Topic 1 Kinetics Required practical 3 Alkenes</p> <p>Topic 2 Required practical 2 Equilibria</p>	<p>Topic 1 Alcohol Required practical 5</p> <p>Topic 2 Oxidation, reduction and redox reactions Periodicity</p>	<p>Topic 1 Required practical 6 Organic analysis Group 7 Required practical 4</p> <p>Topic 2 Group 2 Group 7 Required practical 4</p>	Revision
13	<p>Topic 1 Nomenclature and isomerism Compound containing the carbonyl group Required practical 10a &amp; 10b</p> <p>Topic 2 Thermodynamics Kinetics Required practical 7a &amp; 7b</p>	<p>Topic 1 Aromatic chemistry Amines Polymerisation</p> <p>Topic 2 Equilibrium constant K<sub>p</sub> Electrode potentials and electrochemical cells Required practical 8 Acids, bases and buffers</p>	<p>Mocks</p> <p>Topic 1 Amino acids, proteins and DNA</p> <p>Topic 2 Required practical 9 Periodicity</p>	<p>Topic 1 Organic synthesis and analysis Structure determinations Chromatography – required practical 12 Reactions of inorganic compounds in aqueous solutions Required practical 11</p> <p>Topic 2 The transition metals</p>	Revision and formal examinations	