

Year 13 Chemistry

Year 13 Subject Curriculum Information



	Key Questions:	Specification:	Skill Focus:
Term 1:	<p>What is the role of buffers, acids and bases in our health and well being?</p> <p>How can we predict whether reactions are feasible?</p> <p>What are the reactions of aromatic, carbonyl and nitrogen compounds?</p>	<ul style="list-style-type: none">• 5.1.3. Acids, bases and buffers• 5.2.1 Lattice Enthalpy• 5.2.2 Enthalpy and Entropy• 6.1.1 Aromatic Compounds• 6.1.2. Carbonyl Compounds• 6.1.3. Carboxylic acids and esters• 6.2.1. Amines• 6.2.2. Amino acids, amides and chirality• 6.2.3. Polyesters and polyamides	<p>AO1: demonstrates knowledge and understanding to scientific ideas</p> <p>AO2: Applies knowledge and understanding to scientific ideas</p> <p>AO3: Analyses, evaluate and interpret scientific information</p>
Term 2:	<p>What are the chemical and physical properties of transition metals?</p> <p>How are redox reactions important to power our devices?</p> <p>How can we determine the structure of an organic compound?</p>	<ul style="list-style-type: none">• 5.2.3 Redox reactions and electrode potentials• 5.3.1 Transition elements• 6.2.4 Carbon to carbon bond formation• 6.3.1 Chromatography and qualitative analysis• 6.3.2. Spectroscopy	<p>AO1: demonstrates knowledge and understanding to scientific ideas</p> <p>AO2: Applies knowledge and understanding to scientific ideas</p> <p>AO3: Analyses, evaluate and interpret scientific information</p>
Term 3:	<p>How do are the organic reactions link together?</p>	<ul style="list-style-type: none">• 6.2.5 Organic Synthesis• Revision of all specification topics	<p>AO1: demonstrates knowledge and understanding to scientific ideas</p> <p>AO2: Applies knowledge and understanding to scientific ideas</p> <p>AO3: Analyses, evaluate and interpret scientific information</p>

Year 13 Subject Assessment Information

Assessment	Time/Venue	What will be assessed?
1	<ul style="list-style-type: none">• End of unit assessments• Each 30 minutes	The specification points covered during the term
2	<ul style="list-style-type: none">• Mock exams: Paper 1 & 2	All specification points for year 12 and the specification points covered in term 1 of year 13
3	<ul style="list-style-type: none">• End of unit assessments• Each 30 minutes	The specification points covered during the term

