

KS5 Curriculum: A Level Chemistry 2024-2025

	Year 12	Year 13
Cycle 1	<ul style="list-style-type: none"> <li>• <b>3.1.1 Atomic Structure</b></li> <li>• <b>3.1.2 Amount of Substance</b></li> <li>• <b>3.1.3 Bonding</b></li> <li>• <b>3.2.1 Periodicity</b></li> <li>• <b>3.2.2 Group 2</b></li> <li>• <b>3.3.2 Alkanes</b></li> <li>• <b>3.3.3 Halogenoalkanes</b></li> <li>• <b>3.3.4 Alkenes</b></li> </ul> <p><b>Required practical 1</b></p> <p><u>Assessments:</u>  <b>Mid-Cycle 1:</b> Assessing Topics 3.1.1, 3.1.2, 3.1.3 and 3.3.2</p> <p><b>End of Cycle:</b> Assessing Topics 3.2.1, 3.2.2, 3.3.3 and 3.3.4</p>	<ul style="list-style-type: none"> <li>• <b>3.1.9 Rate equations</b></li> <li>• <b>3.1.10 Kp</b></li> <li>• <b>3.3.7 Optical isomerism (Carbonyl chemistry)</b></li> <li>• <b>3.3.8 Aldehydes and Ketones</b></li> <li>• <b>3.3.9 Carboxylic acids and derivatives</b></li> <li>• <b>3.3.10 Aromatic Chemistry</b></li> <li>• <b>3.3.11 Amines</b></li> <li>• <b>3.3.12 Polymers</b></li> <li>• <b>3.3.13 Amino acids</b></li> <li>• <b>3.3.14 Organic synthesis</b></li> <li>• <b>3.3.15 NMR</b></li> </ul> <p><b>Required practicals 7 &amp; 10 Required practica</b></p> <p><u>Assessments:</u>  <b>Mid-Cycle 1:</b> Assessing Topics 3.3.7, 3.3.8, 3.3.9, 3.3.11, 3.3.12</p> <p><b>End of Cycle:</b> Mock exam paper</p>
Cycle 2	<ul style="list-style-type: none"> <li>• <b>3.1.4 Energetics</b></li> <li>• <b>3.1.5 Kinetics</b></li> <li>• <b>3.1.6 Equilibria</b></li> <li>• <b>3.1.7 Redox</b></li> <li>• <b>3.2.3 Group 7</b></li> <li>• <b>3.3.5 Alcohols</b></li> <li>• <b>3.3.6 Organic analysis</b></li> </ul> <p><b>Required practical 2, 3, 4, 5 &amp; 6</b></p> <p><u>Assessments:</u>  <b>Mid-Cycle:</b> Assessing Topics 3.1.4, 3.1.5, 3.3.5, 3.2.3</p> <p><b>End of Cycle:</b> Assessing Topics 3.1.6, 3.1.7, 3.3.6</p>	<ul style="list-style-type: none"> <li>• <b>3.1.12 Acids and bases</b></li> <li>• <b>3.2.5 Transition metals</b></li> <li>• <b>3.2.6 Reaction of ions in aqueous solution</b></li> <li>• <b>3.1.11 Electrode potentials</b></li> <li>• <b>3.3.16 Chromatography</b></li> <li>• <b>3.1.8 Thermodynamics</b></li> <li>• <b>3.2.4 Period 3 Oxides</b></li> </ul> <p><b>Required practicals 8, 9, 11 &amp; 12</b></p> <p><u>Assessments:</u>  <b>Mid-Cycle:</b> Assessing Topics 3.1.12, 3.2.5, 3.2.</p> <p><b>End of Cycle:</b> Mock exam papers</p>
Cycle 3	<p><b>Revision for End of Year exams and review prior to starting year 13 topics</b></p> <p><u>Assessments:</u>  <b>End-Cycle-</b> End of year exams – Mock AS Papers 1 and 2</p>	<p>Revision/ Exams</p>