

Year 11 Chemistry- Curriculum Overview

Half Term:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics:	<p>4.3 Quantitative Chemistry</p> <p>4.3.2 Use of amount of substance in relation to masses of pure substances</p> <p>4.3.3 Yield and atom economy</p> <p>4.3.4 Using concentrations of solutions in mol/dm³</p> <p>4.3.5 Use of amount of substance in relation to volume of gases</p> <p>RP2 - Titrations</p>	<p>Chemistry Only Content</p> <p>4.2 Bonding structure and the properties of matter</p> <p>4.2.4 Bulk and surface properties of matter including nanoparticles</p> <p>4.1 Atomic structure and the periodic table</p> <p>4.1.3 Properties of transition metals</p> <p>4.5.2 Energy Changes</p> <p>4.5.2 Chemical cells and fuels cells</p> <p>4.10 Using Resources</p> <p>4.10.4 The Haber process and the use of NPK fertilisers</p> <p>Revision for mock exams:</p> <p>4.1 Atomic structure and the periodic table</p> <p>4.2 Bonding, structure, and the properties of matter</p> <p>4.3. Quantitative chemistry</p> <p>4.4 Chemical changes</p> <p>4.5 Energy changes</p>	<p>4.7 Organic Chemistry</p> <p>4.7.1 Carbon compounds as fuels and feedstock</p> <p>4.7.2 Reactions of alkenes and alcohols</p> <p>4.7.3 Synthetic and naturally occurring polymers</p> <p>Revision for mock exams:</p> <p>4.6 The rate and extent of chemical change</p> <p>4.7 Organic chemistry</p> <p>4.8 Chemical analysis</p> <p>4.9 Chemistry of the atmosphere.</p> <p>4.10 Using resources</p>	<p>Revision for final exams:</p> <p>4.1 Atomic structure and the periodic table</p> <p>4.2 Bonding, structure, and the properties of matter</p> <p>4.3. Quantitative chemistry</p> <p>4.4 Chemical changes</p> <p>4.5 Energy changes</p> <p>4.6 The rate and extent of chemical change</p> <p>4.7 Organic chemistry</p> <p>4.8 Chemical analysis</p> <p>4.9 Chemistry of the atmosphere.</p> <p>4.10 Using resources</p>	<p>Revision for final exams:</p> <p>4.1 Atomic structure and the periodic table</p> <p>4.2 Bonding, structure, and the properties of matter</p> <p>4.3. Quantitative chemistry</p> <p>4.4 Chemical changes</p> <p>4.5 Energy changes</p> <p>4.6 The rate and extent of chemical change</p> <p>4.7 Organic chemistry</p> <p>4.8 Chemical analysis</p> <p>4.9 Chemistry of the atmosphere.</p> <p>4.10 Using resources</p>	<p>Revision for final exams:</p> <p>4.1 Atomic structure and the periodic table</p> <p>4.2 Bonding, structure, and the properties of matter</p> <p>4.3. Quantitative chemistry</p> <p>4.4 Chemical changes</p> <p>4.5 Energy changes</p> <p>4.6 The rate and extent of chemical change</p> <p>4.7 Organic chemistry</p> <p>4.8 Chemical analysis</p> <p>4.9 Chemistry of the atmosphere.</p> <p>4.10 Using resources</p>
Assessment & End Points:	Quantitative Chemistry Test, Quantitative Chemistry STAR assessment, Titrations STAR Assessment.	Mock exams, STAR Tasks: The History of the atom, Development of the periodic table, Ionic structures, Structures summary, Extraction of metals, Electrolysis, Energy in reactions.	Organic Chemistry Test, Fractional Distillation STAR assessment, Using organic compounds STAR Assessment, STAR Tasks: Rates practical, Fractional Distillation of crude oil, Chromatography, Carbon footprint, Water treatment Mock exams	Chemistry of the atmosphere Test, Carbon footprint STAR assessment,	Final exams – Paper 1	Final exam – Paper 2

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