## **Vear 11 Chemistry- Curriculum Overview**

Half Term:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics:	4.3 Quantitative	Chemistry Only Content	4.7 Organic Chemistry	Revision for final exams:	Revision for final exams:	Revision for final exams:
	Chemistry	4.2 Bonding structure and	4.7.1 Carbon compounds	4.1 Atomic structure and	4.1 Atomic structure and	4.1 Atomic structure and
	4.3.2 Use of amount of	the properties of matter	as fuels and feedstock	the periodic table	the periodic table	the periodic table
	substance in relation to	4.2.4 Bulk and surface		4. 2 Bonding, structure,	4. 2 Bonding, structure,	4. 2 Bonding, structure,
	masses of pure substances	properties of matter	4.7.2 Reactions of alkenes	and the properties of	and the properties of	and the properties of
		including nanoparticles	and alcohols	matter	matter	matter
	4.3.3 Yield and atom	4.1 Atomic structure and		4.3. Quantitative	4.3. Quantitative	4.3. Quantitative
	economy	the periodic table	4.7.3 Synthetic and	chemistry	chemistry	chemistry
		4.1.3 Properties of	naturally occurring	4.4 Chemical changes	4.4 Chemical changes	4.4 Chemical changes
	4.3.4 Using concentrations	transition metals	polymers	4.5 Energy changes	4.5 Energy changes	4.5 Energy changes
	of solutions in mol/dm <sup>3</sup>	4.5.2 Energy Changes		4.6 The rate and extent of	4.6 The rate and extent of	4.6 The rate and extent of
		4.5.2 Chemical cells and	Revision for mock exams:	chemical change	chemical change	chemical change
	4.3.5 Use of amount of	fuels cells	4.6 The rate and extent of	4.7 Organic chemistry	4.7 Organic chemistry	4.7 Organic chemistry
	substance in relation to	4.10 Using Resources	chemical change	4.8 Chemical analysis	4.8 Chemical analysis	4.8 Chemical analysis
	volume of gases	4.10.4 The Haber process	4.7 Organic chemistry	4.9 Chemistry of the	4.9 Chemistry of the	4.9 Chemistry of the
		and the use of NPK	4.8 Chemical analysis	atmosphere.	atmosphere.	atmosphere.
	RP2 - Titrations	fertilisers	4.9 Chemistry of the	4.10 Using resources	4.10 Using resources	4.10 Using resources
		Revision for mock exams:	atmosphere.			
		4.1 Atomic structure and	4.10 Using resources			
		the periodic table				
		4. 2 Bonding, structure,				
		and the properties of				
		matter				
		4.3. Quantitative				
		chemistry				
		4.4 Chemical changes				
		4.5 Energy changes				
Assessment & End Points:	Quantitative Chemistry	Mock exams, STAR Tasks:	Organic Chemistry Test,	Chemistry of the	Final exams – Paper 1	Final exam – Paper 2
	Test, Quantitative	The History of the atom,	Fractional Distillation STAR	atmosphere Test, Carbon		
	Chemistry STAR	Development of the	assessment, Using organic	footprint STAR		
	assessment, Titrations	periodic table, Ionic	compounds STAR	assessment,		
	STAR Assessment.	structures, Structures	Assessment, STAR Tasks:			
		summary, Extraction of	Rates practical, Fractional			
		metals, Electrolysis,	Distillation of crude oil,			
		Energy in reactions.	Chromatography, Carbon			
			footprint, Water			
			treatment			
			Mock exams			

