



Curriculum Plans – Year 11 – Chemistry – Academic Year 2023/24

Please find below a detailed outline of the curriculum covered in Chemistry through Year 11 in Key Stage 4.

Year 11

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
Revision of Y10 topics <ul style="list-style-type: none"> • Revision of Units 1-14 • Practical skills Air and Water (Unit 15) <ul style="list-style-type: none"> • Air composition • Using air • Air pollution • Rusting • Water Supply and treatment • Practical skills 	Non-metals and their compounds (Unit 16) <ul style="list-style-type: none"> • Ammonia and the haber process • Sulphuric acid and the contact process • Carbon and carbon cycle • Climate change and greenhouse gases • Limestone Organic Chemistry (Unit 17) <ul style="list-style-type: none"> • Petroleum • Fractional Distillation • Cracking hydrocarbons • Alkanes and associated reactions • Alkenes and associated reactions 	Organic Chemistry (Unit 17) <ul style="list-style-type: none"> • Alcohols and associated reactions • Carboxylic acids and associated reactions Polymers (Unit 18) <ul style="list-style-type: none"> • Addition polymers • Condensation polymers • Using synthetic polymers • Sustainability of plastics 	Mock Exam Intervention Revision <ul style="list-style-type: none"> • Review of states of matter • Review of atomic structure and bonding • Review of moles Past papers and exam technique	Revision <ul style="list-style-type: none"> • Review of redox, electrolysis and metal extraction • Review of rates of reaction • Review of the periodic table • Review of air and water • Review of acids and bases • Review of the haber and contact process and climate change • Review of organic chemistry Past papers and exam technique Intervention	IGCSE External Exams Revision sessions	IGCSE External Exams Revision sessions
	Assessment	Assessment	Internal Mock Cambridge IGCSE Exam	Self-Assessment and Intervention	Self-Assessment And Exam Skills	External Cambridge IGCSE Exam
		Progress Data for Autumn Report		Mock Exam Data for Spring Report		
Academic Theme	Planning for Tomorrow	The World around us	Better Together	The Working World	Opportunities for Everyone	Keep it Green, Keep it Clean
Autumn			Spring		Summer	