



Curriculum Plans – Year 11 – Chemistry

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		
Autumn			Spring		Summer	