

Chemistry KS5 Curriculum Map

Year 12	Autumn Term		Spring Term		Summer Term	
	<i>Topic 5 – Formulae and amounts</i> <i>Topic 3 – Redox I</i> <i>Topic 4 – Periodicity</i> <i>Core practicals 1, 2, 3, 7</i>	<i>Topic 1 – Atomic structure</i> <i>Topic 2 - Bonding</i>	<i>Topic 6 – Organic chemistry I</i> <i>Topic 7 – Spectroscopy</i> <i>Core practicals 4, 5, 6</i>	<i>Topic 8 – Energetics I</i> <i>Topic 9 – Kinetics I</i> <i>Topic 10 – Equilibrium I</i> <i>Core practical 8</i>	<i>Revision for end of year exams</i> <i>Topic 11 – Equilibrium II</i> <i>Core practical 15 (trip)</i>	<i>Revision for end of year exams</i> <i>Review of practical portfolios and addressing any missed core practicals</i>
Assessment	- Baseline assessment - Assessments for topics 1-5		- Year 12 exam week – topics 1-5 - Assessments for topics 6, 8		- Progression exam – all AS topics - Assessments for topics 9, 10	
*Assessment Objectives	AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures AO3: Analyse, interpret and evaluate scientific information, ideas and evidence					
Enrichment	Trip to Dulwich College for core practical 15 Chemistry olympiad Intervention for PP students and students struggling to achieve their target grade Application to Medicine/Veterinary/Dentistry preparation sessions					

Year 13	Autumn Term		Spring Term		Summer Term
	<i>Topic 12 – Acid equilibria</i> <i>Topic 13 – Entropy</i> <i>Topic 14 – Redox II</i>	<i>Topic 17 – Organic chemistry II</i> <i>Topic 18 – Organic chemistry III</i>	<i>Topic 15 – Transition elements</i> <i>Topic 16 – Kinetics II</i>	<i>Topic 19 – Spectroscopy II</i>	Revision and exam preparation; final review of practical portfolios

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Assessment	• End of year 12 mock resits • October mock assessments • Assessments for topics 12, 13, 17	• Assessments for topics 7, 14, 15, 16, 19 • Year 13 exam week – paper 3 (all topics covered, with an emphasis on practical skills)	
*Assessment Objectives	AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures AO3: Analyse, interpret and evaluate scientific information, ideas and evidence		
Enrichment	Chemistry olympiad Intervention for PP students and students struggling to achieve their target grade Application to Medicine/Veterinary/Dentistry preparation sessions		