



Curriculum Plans – Key Stage 5 Chemistry

Please find below a detailed outline of the curriculum covered in Chemistry through Year 13 in Key Stage 5.

Year 13

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
Lattice energy	Further aspects of	Entropy and Gibbs	MOCK evam	Polymerisation	Revision	Revision
(Unit 19)	equilibria	free energy		(Unit 28)	lessons	lessons
• Lattice energy	(Unit 21)	(Unit 23)	Intervention	Condensation	• Review of	10350115
• Enthalpy change	• Ionic product of	 Introduction 		polymerisation	lattice energy	A2 Exam
of atomisation	water	Spontaneous	Benzene and its	Synthetic	 Review of 	
and electron	• pH calculations	change	compounds (Unit	polyamides	electrochemis	
affinity	 Dissociation 	 Calculating 	25)	 Polyesters 	try	
Born-Haber	constant	entropy changes	 Phenol and its 	 Degradable 	• Review of	
	 Indicators 	 Entropy enalges 	• Flienol and its reactions			
cycles			reactions	polymers	equilibria	
• Factors affecting	• Titrations	temperature	с. н. н.	Polymer	• Review of	
the value of	Buffers	• Entropy,	Carboxylic acids	deductions	reaction	
lattice energy	 Equilibrium and 	enthalpy and	and their		kinetics	
 Ion polarisation 	solubility	free energy	derivatives	Analytical	• Review of	
 Enthalpy changes 	 Partition coefficients 	 Gibbs free 	(Unit 26)	chemistry	transition	
in solution		energy	 Acidity 	(Unit 29)	metals	
	Reaction kinetics		 Oxidation 	 Chromatograph 	 Review of 	
Electrochemistry	(Unit 22)	Transition	 Acyl chlorides 	У	organic	
(Unit 20)	 Factors affecting rate 	elements		● H ¹ NMR	chemistry	
 Redox reactions 	 Rate of reaction 	(Unit 24)	Organic nitrogen	 C¹³ NMR 	 Review of 	
 Electrolysis 	 Rate equations 	 What are 	compounds		analytical	
 Quantitative 	 Reaction orders 	transition	(Unit 27)		chemistry	
electrolysis	 Rate constant 	elements?	Amines	Past papers and	• Paper 5	
• Electrode	 Reaction 	 Physical 	 Formation of 	exam technique	Practise	
potentials	mechanisms	properties	amines			
 Measuring 	 Catalysis 	 Redox reactions 	 Amino acids 	Practical skills		
standard	,	 Ligands and 	 Peptides 		Past papers	
electrode	Practical skills	complex	 Reactions of 	Intervention	and exam	
potentials		formation	amides		technique	
 Using E values 		Tormation	 Electrophoresis 		-	
• Cells and		Benzene and its	• Electrophoresis		Practical skills	
batteries		compounds				
Datteries		-	Past papers and		Intervention	
Practical skills		(Unit 25) • Benzene ring	exam technique			
Practical Skills		0	oxuni tooninquo			
		 Reactions of 	Practical skills			
		arenes				
		Practical skills				
	Assessment	Assessment	Internal Mock	Self-Assessment	Self-	External
			Cambridge A2	and Intervention	Assessment	Cambridge
			Exam		and Exam Skills	A2 Exam
		Progress Data for	EXam	Mock Exam Data		
		Autumn Report		for Spring Report		
Academic Theme	Planning for Tomorrow	The World around	Better Together	The Working	Opportunities	Keep it
	0	us	- 82	World	for Everyone	Green,
						Keep it
						Clean
Autumn			Spring		Summer	
			oping		Samiler	

Cesta 24. junija 92, 1231 Ljubljana-Črnuče, Slovenia Tel +386 (0)40 486 548 · www.britishschool.si · enquiries@britishschool.si