



Curriculum Overview – CHEMISTRY

Key Stage 3

Year 7	Year 8	Year 9
Solids, Liquids and Gases Solutions Acids and Alkalis	Unit 1 Atoms elements compounds Unit 2 Simple reactions Unit 3 Combustion Unit 4 Reactivity Series	C1 Atomic structure C2 The periodic table C3 Structure and bonding

No text book in Year 8

Textbook Used in Year 9, 10, 11 AQA GCSE Chemistry by Nigel English and Richard Grime ISBN 978-0-19-835938-8



Key Stage 4 – GCSE Exam Board: AQA

Year 10	Year 11
C4 Chemical calculations	C11 Polymers
C5 Chemical Changes	C12 Chemical analysis
C6 Electrolysis	C13 The Earth's Atmosphere
C7 Energy Changes	C14 The Earth's resources
C8 Rates and Dynamic reactions	C15 Using our resources
C9 Crude oil and fuels	
C10 Organic reactions	

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Key Stage 5 – A Level Exam Board: AQA

Year 12		Year 13	
Teacher 1	Teacher 2	Teacher 1	Teacher 2
Atomic structure	Amount of substance	Thermodynamics	Optical isomerism and carbonyl chemistry
Bonding	Introduction to organic	Electrochemical cells	Chromatography
Energetics	Haloalkanes	Acids and pH	Amines
Kinetics	Alkenes	Periodicity	Polymers
Equilibria	Alcohols	Transition metal chemistry	Amino acids, Protein and DNA
Periodicity, Group 2, and Redox	Organic analysis		Synthesis and NMR
KP	Aromatic chemistry		

Textbook Used: AQA Chemistry A'Level Student Book by Ted Lister and Janet Renshaw ISBN: 9780198351825