



Curriculum Overview – CHEMISTRY

Key Stage 3

Year 7	Year 8	Year 9
Particle Model, Separating mixtures. Acids and Alkalis, Metals and non-metals Earth Structure Universe	Elements Periodic table Types of reaction Chemical energy Climate Earth Resources	C1 Atomic structure C2 The periodic table C3 Structure and bonding

Text book used in Year 7 AQA Activate for KS3: Student Book 1 ISBN: 978-0-19-840824-6

Text book used in Year 8 AQA Activate for KS3: Student Book 2 ISBN 978-0-19-840825-3

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

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





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