



SRS –Curriculum Overview – Chemistry

	Term 1 Key knowledge/skills	Term 2 Key knowledge/skills	Term 3 Key knowledge/skills	Resources & Information for parents/students
This subject is only taught in KS4 and KS5				
Y10	C4 – Chemical Calculations C5 – Chemical Changes	C6 – Electrolysis C7 – Energy Changes	C8 – Rates & Equilibrium C9 – Crude Oil & Fuels	BBC Bitesize - https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb
Y11	C14 – The Earth’s Resources C15 – Using Our Resources	Mock Exams Feedback Revision	Revision	BBC Bitesize - https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb
Y12	Teacher 1 Amounts, Moles & Gas Volume Electronic Structure Shapes of Molecules Intermolecular forces Electronegativity & Polarity Nomenclature Isomers Alkanes Teacher 2 Atoms, Ions & Compounds Acids, Neutralisation & Titrations Ionisation energies Periodic Table trends Enthalpy Changes	Teacher 1 Alkenes Alcohols Haloalkanes Synthetic Routes Spectroscopy Teacher 2 Hess’s Law Catalysts Boltzmann Distribution Le Chatelier’s principle Equilibrium Constant	Teacher 1 Benzene Phenols Aromatic Chemistry Teacher 2 Order & Rates Concentration Revision	https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/



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Y13	<p>Teacher 1 Carbonyl Compounds Ketones Amines, Amino Acids & Chirality Condensation Polymers Synthetic routes Spectroscopy Proton NMR</p> <p>Teacher 2 Equilibrium constant Bronsted-Lowry Acid-Base Theory pH Scale Buffer Solutions</p>	<p>Teacher 1 Combined Techniques Transition metals Stereoisomerism Ligand Substitution Precipitation</p> <p>Teacher 2 Enthalpy, Entropy & Free Energy Iodine Thiosulphate Redox Electrode Potentials</p>	<p>Teacher 1 Required Practical Catch Up Revision</p> <p>Teacher 2 Required Practical Catch Up Revision</p>	<p>https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/</p>
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