

Chemistry GCSE Course Guide.

	Year 10	Year 11
End of year 9	<p>CC01: Kinetic theory (examined on P1)</p> <ul style="list-style-type: none"> The key concepts of particle theory building on C2 (particles) KS3 <p>CC03 Atomic structure (examined on P1 & P2)</p> <ul style="list-style-type: none"> Atomic structure builds on C2 (particles) KS3 and gives the basis for all reactions 	
Term One	<p>CC02: Separating mixtures (examined on P1)</p> <ul style="list-style-type: none"> Builds on C4(separating mixtures) from KS3 and develops practical skills further with low risk <p>CC04: The Periodic Table (examined on P1 & P2)</p> <ul style="list-style-type: none"> Builds on from C2 (Particles, atoms, elements and compounds) and C6 key stage 3 increasing understanding of atoms <p>CC05 Ionic bonding (examined on P1 & P2)</p> <ul style="list-style-type: none"> How compounds containing metals bond <p>CC06 Covalent bonding (examined on P1 & P2)</p> <ul style="list-style-type: none"> How non-metals bond <p>CC07 Identifying substances (examined on P1 & P2)</p> <ul style="list-style-type: none"> Reviews all of bonding Explains how bonding relates to structure <p>CC08: Acids (examined on P1)</p> <ul style="list-style-type: none"> Commonly examined with lots of experiments Gives equation practice 	<p>CC14 Rates of Reaction (examined on P2)</p> <ul style="list-style-type: none"> More experimental work and also an opportunity to practise maths and graphs <p>CC15: Heat energy (examined on P2)</p> <ul style="list-style-type: none"> Practical based and quick again using maths Relates closely to reversible reactions and rates so revises these <p>CC16: Fuels (examined on P2)</p> <ul style="list-style-type: none"> Modern issue of planet sustainability Builds into CC17 with climate change and links with geography
Term Two	<p>CC09: Calculations (examined on P1 & P2)</p> <ul style="list-style-type: none"> These sums use ratios and basic maths to work out quantities from reactions. <p>CC10: Electrolysis (examined on P1)</p> <ul style="list-style-type: none"> Some more practical work and also links to physics electricity <p>CC11: Obtaining metals (examined on P1)</p> <ul style="list-style-type: none"> Related to real life with applications Modern issue of planet sustainability 	<p>CC17: Earth and atmospheric science (examined on P2)</p> <ul style="list-style-type: none"> Modern issue of planet sustainability <p>SC1.1 Transition metals, Alloys and Corrosion. (examined on P1)</p> <ul style="list-style-type: none"> Builds from metallic bonding <p>SC1.2 Quantitative Analysis. (examined on P1)</p> <ul style="list-style-type: none"> Experiments and maths combined <p>SC1.3 Dynamic Equilibria. (examined on P1)</p> <ul style="list-style-type: none"> Applying chemistry to industry <p>SC1.4 Chemical Cells and Fuel Cells. (examined on P1)</p> <ul style="list-style-type: none"> Chemistry in every day life
Term Three	<p>CC12: Reversible reactions (examined on P1)</p> <ul style="list-style-type: none"> Learning how to manipulate reactions to increase profit and yield <p>CC13: Periodic Table (examined on P2)</p> <ul style="list-style-type: none"> Expanding CC04 with interesting experiments Applying knowledge from year 10 to predict reactions 	<p>SC2.1 Qualitative Analysis: Tests for Ions. (examined on P2)</p> <ul style="list-style-type: none"> More development of practical skills and careful observation. <p>SC2.2 Hydrocarbons. SC2.3 Alcohols and Carboxylic Acids. SC2.4 Polymers. (examined on P2)</p> <p>Shows application to everyday life of Organic chemistry</p> <p>SC2.5 Bulk and Surface Properties of Matter including Nanoparticles. (examined on P2)</p> <ul style="list-style-type: none"> Builds on SC2.2 and CC07. Shows application to everyday life.

The Chemistry examinations have 2 papers, P1 and P2.