Chemistry – Foundation Tier

Topic	Content
	Hazard symbols, state symbols, balanced symbol equations, word equations
CC1- states of matter	Changes of state, state change graphs,
CC2 – separating mixtures	Chromatography, Rf calculations
CC4 – atomic structure	Properties of metals, groups of periodic table, electron configuration,
CC5 & CC6 - bonding	Ionic bonding vs covalent bonding
CC8 – acids and alkali	Precipitation reactions, Core practical: preparing copper sulfate crystals, Core practical: investigating neutralisation, gas tests,
CC9 - calculations	Calculating empirical formula
CC10 - electrolysis	Electrolysis definition, equipment, predicting the products of electrolysis,
CC11- extracting metals	Reactivity series, extracting metals from the Earth's crust.

Chemistry – Higher Tier

Topic	Content
CC1- states of matter	Changes of state, melting points of pure and impure substances
CC2 – separating mixtures	Filtration, chromatography, Rf value calculation
CC5 & CC6 - bonding	Properties of ionic and covalent substances, writing formulae
CC8 – acids and alkali	Core practical: investigating neutralisation, pH scale logarithm, Core practical: preparing copper sulfate crystals, oxidation & reduction
CC9 - calculations	Moles calculations, concentration calculation, empirical formula
CC10 - electrolysis	Electrolysis of solutions, gas tests, Core practical: Electrolysis of copper sulfate solution,

Chemistry – Higher Tier Triple

Topic	Content
SC1 - states of matter	Melting points of pure and impure substances
SC2 – separating mixtures	Filtration, chromatography, Rf value calculation
SC5 & SC6 - bonding	Properties of ionic and covalent substances, writing formulae
SC8 – acids and alkali	Core practical: investigating neutralisation, pH scale logarithm, titrations
SC9 - calculations	Moles calculations, concentration calculation, empirical formula
SC10 - electrolysis	Electrolysis of solutions, gas tests, Core practical: Electrolysis of copper sulfate solution,