



	Year Group	Autumn Term	Spring Term	Summer Term
	7	Particles – Solids, liquids and gases - Physical and chemical changes - Mixtures, compounds, Evaporation Separating mixtures - Filtration - Distillation - Chromatography	Acids and Alkalis - PH scale - Neutralisation reactions - Hazards Particles model - Diffusion - Air pressure - Nano scale	Simple chemical reactions - chemical reactions - simple chemical tests - combustion - Change of state Periodic Table - Elements compounds
	8	Introduction to Periodic Table - Properties of metals and non-metals - Periodic trends/groups - Metals with water - Metals with acids - Displacement reactions and reactivity - Comparing reactivity of metals with acids - Metals as catalysts - Extracting metals from ores extracting copper and iron - Alloys	Energy and environment - Exo/Endothermic Reactions - Fire triangle - Burning fuels - Comparing the energy content of fuels - Fuels and air pollution - Climate change/global warming - Climate change/what can be done? - plastics and plastic pollution - Recycling - Testing strength of plastic	Particles - Particles, solids liquids gases - Physical changes - Chemical changes - Atomic Structure - Developing the atomic model - Identifying the presence of charged particles
Seniors	OCR GCSE CHEMISTRY (9-1) J248 Specification available at: http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-chemistry-a-j248-from-2016/			
	9	Topic C1: Particles C1.1 The particle model C1.2 Atomic structure Topic C2: Elements, compounds and mixtures C2.1 Purity and separating mixtures	Topic C2: Elements, compounds and mixtures (cont.) C2.2 Bonding C2.3 Properties of materials	Topic C3: Chemical reactions C3.1 Introducing chemical reactions C3.2 Energetics
	10	Topic C3: Chemical reactions (cont.) C3.3 Types of chemical reactions C3.4 Electrolysis	Topic C4: Predicting and identifying reactions and products C4.1 Predicting chemical reactions C4.2 Identifying the products of chemical reactions (Triple only)	Topic C5: Monitoring and controlling chemical reactions C5.1 Monitoring chemical reactions C5.2 Controlling reactions
	11	Topic C5: Monitoring and controlling chemical reactions (cont.) C5.3 Equilibria Topic C6: Global challenges C6.1 Improving processes and products	Topic C6: Global challenges (cont.) C6.2 Organic chemistry C6.3 Interpreting and interacting with earth systems	REVISION