



	Year Group	Autumn Term	Spring Term	Summer Term	
Seniors	7	<b>Particles – Solids, liquids and gases</b> <ul style="list-style-type: none"> <li>Physical and chemical changes</li> <li>Mixtures, compounds, Evaporation</li> </ul> <b>Separating mixtures</b> <ul style="list-style-type: none"> <li>Filtration</li> <li>Distillation</li> <li>Chromatography</li> </ul>	<b>Acids and Alkalis</b> <ul style="list-style-type: none"> <li>PH scale</li> <li>Neutralisation reactions</li> <li>Hazards</li> </ul> <b>Particles model</b> <ul style="list-style-type: none"> <li>Diffusion</li> <li>Air pressure</li> <li>Nano scale</li> </ul>	<b>Simple chemical reactions</b> <ul style="list-style-type: none"> <li>chemical reactions</li> <li>simple chemical tests</li> <li>combustion</li> <li>Change of state</li> </ul> <b>Periodic Table</b> <ul style="list-style-type: none"> <li>Elements compounds</li> </ul>	
	8	<b>Introduction to Periodic Table</b> <ul style="list-style-type: none"> <li>Properties of metals and non-metals</li> <li>Periodic trends/groups</li> <li>Metals with water</li> <li>Metals with acids</li> <li>Displacement reactions and reactivity</li> <li>Comparing reactivity of metals with acids</li> <li>Metals as catalysts</li> <li>Extracting metals from ores extracting copper and iron</li> <li>Alloys</li> </ul>	<b>Energy and environment</b> <ul style="list-style-type: none"> <li>Exo/Endothermic Reactions</li> <li>Fire triangle</li> <li>Burning fuels</li> <li>Comparing the energy content of fuels</li> <li>Fuels and air pollution</li> <li>Climate change/global warming</li> <li>Climate change/what can be done?</li> <li>plastics and plastic pollution</li> <li>Recycling</li> <li>Testing strength of plastic</li> </ul>	<b>Particles</b> <ul style="list-style-type: none"> <li>Particles, solids liquids gases</li> <li>Physical changes</li> <li>Chemical changes</li> <li>Atomic Structure</li> <li>Developing the atomic model</li> <li>Identifying the presence of charged particles</li> </ul>	
	<b>OCR GCSE CHEMISTRY (9-1) J248</b> Specification available at: <a href="http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-chemistry-a-j248-from-2016/">http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-chemistry-a-j248-from-2016/</a>				
	9	<b>Topic C1: Particles</b> C1.1 The particle model C1.2 Atomic structure <b>Topic C2: Elements, compounds and mixtures</b> C2.1 Purity and separating mixtures	<b>Topic C2: Elements, compounds and mixtures (cont.)</b> C2.2 Bonding C2.3 Properties of materials	<b>Topic C3: Chemical reactions</b> C3.1 Introducing chemical reactions C3.2 Energetics	
	10	<b>Topic C3: Chemical reactions (cont.)</b> C3.3 Types of chemical reactions C3.4 Electrolysis	<b>Topic C4: Predicting and identifying reactions and products</b> C4.1 Predicting chemical reactions C4.2 Identifying the products of chemical reactions (Triple only)	<b>Topic C5: Monitoring and controlling chemical reactions</b> C5.1 Monitoring chemical reactions C5.2 Controlling reactions	
11	<b>Topic C5: Monitoring and controlling chemical reactions (cont.)</b> C5.3 Equilibria <b>Topic C6: Global challenges</b> C6.1 Improving processes and products	<b>Topic C6: Global challenges (cont.)</b> C6.2 Organic chemistry C6.3 Interpreting and interacting with earth systems	<b>REVISION</b>		