

## Key Stage 4 Curriculum Map 2021-22

### Term 3

Subject:		Year:	
Focus/Topic	UAE Links	HPL Links	Home Learning / Guided Reading
<ul style="list-style-type: none"> <li>3.1.1 Solids, liquids and gases</li> <li>3.1.2 A simple model of the atom</li> <li>3.2.2 How bonding and structure are related to the properties of substances</li> <li>3.2.3 Structure and bonding of carbon</li> <li>3.4.2 Identification of common gases</li> </ul>	<p>Evaluate the use of fertilisers to promote plant growth in the UAE conditions</p> <p>Reflect on everyday reactions in the UAE and determine if they are exothermic or endothermic</p>	<p><b>VAA : Hardworking Practice</b>  <i>The ability to train and prepare through repetition of the same processes in order to become more proficient.</i></p> <p>Resilience  <i>The ability to overcome setbacks. Remain confident, focused, flexible and optimistic.</i></p> <p><b>VAA : Agile Risk Taking</b>  <i>The ability to work with confidence within unfamiliar scenarios</i></p>	<p>Guided Reading/ Exam Practice</p>
<ul style="list-style-type: none"> <li>3.5.2 Preparation of salts</li> <li>3.6.2 Use of amount in relation to masses of pure substances</li> <li>3.6.4 Molar concentrations</li> <li>3.7.1 Group properties</li> <li>3.8.2 Factors affecting equilibrium</li> <li>3.10.1.2 Hydrocarbons</li> </ul>	<p>Connect your learning from an investigation to the use of cold packs in the UAE for athletes</p>		<p>Guided Reading/ Exam Practice</p>
<ul style="list-style-type: none"> <li>3.1.3 The periodic table</li> <li>3.2.1 Chemical bonding: ionic, covalent and metallic</li> <li>3.3.2 Electrolysis</li> <li>3.6.1 Conservation of mass including the quantitative interpretation of chemical equations</li> <li>3.6.3 The mole concept</li> <li>3.6.4 Molar concentrations</li> </ul>	<p>Describe the environmental problem with having sulfur in fuels and discuss how common you think this is in the UAE</p>		<p>Guided Reading/ Exam Practice</p>
<ul style="list-style-type: none"> <li>3.8.1 Rate of reaction</li> <li>3.9.2 Calculating and explaining energy change</li> </ul>	<p>Research the focus of the company Neutral</p>		<p>Guided Reading/ Exam Practice</p>

<ul style="list-style-type: none"> <li>• 3.9.3 Chemical cells and fuel cells</li> <li>• 3.10.1.1 Crude Oil</li> <li>• 3.10.1.2 Hydrocarbons</li> <li>• 3.10.1.3 Obtaining useful substances from crude oil</li> <li>• 3.10.2 Synthetic and naturally occurring polymers</li> </ul>	Fuels here in Dubai and its link to the UAE National Agenda		
<b>Summer Examination Series Starts 9<sup>th</sup> May 2022</b>  <b>9202/1 Chemistry Paper 1 12 May 2022</b> <b>9202/2 Chemistry Paper 2 31 May 2022</b>			