



## Key Stage 4 Curriculum Map 2019 - 2020

### Term 2

Subject: Combined Sciences	Year: 10	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> <li>Metals</li> <li>Transport in the blood</li> <li>The immune system and blood groups</li> <li>Carbohydrates, lipids and proteins</li> </ul>	<p>Why is it important we donate blood in the UAE? How are metals extracted in the UAE?</p>	Guided reading
<ul style="list-style-type: none"> <li>Electrolysis</li> <li>Catalysts and enzymes</li> <li>Factors affecting enzyme action</li> <li>The digestive system</li> </ul>	<p>Why is fat stored in a camels hump? How are metals extracted in the UAE?</p>	
<ul style="list-style-type: none"> <li>Chemical Analysis</li> <li>Making digestion efficient</li> <li>Exchange in the gut</li> <li>Making use of enzymes</li> </ul>	<p>Why is fat stored in a camels hump? Why might chemical analysis be important for the UAE? Where might it be used?</p>	
<ul style="list-style-type: none"> <li>Acids/Bases and Salts</li> <li>Responding to change</li> <li>Reflex actions</li> <li>Animal behavior</li> </ul>	<p>How does a falcon communicate with each other? What household chemicals would you find in your home? Predict if it is an acid or base.</p>	
<ul style="list-style-type: none"> <li>Complete Practicals</li> <li>Animal behavior</li> <li>Animal communications</li> </ul>	<p>How does a camel communicate with each other?</p>	
<ul style="list-style-type: none"> <li>Revision</li> <li>Reproductive behaviors</li> <li>Human use of animal behaviors</li> </ul>	<p>How does a falcon communicate with each other?</p>	
<ul style="list-style-type: none"> <li>Assessment week</li> </ul>		
	Mid Term Break	

<ul style="list-style-type: none"> <li>Quantitative Chemistry</li> <li>Principles of homeostasis</li> <li>Removing waste products</li> <li>The human kidney</li> </ul>	<p>Describe how homeostasis takes place in a desert mouse. Design a chemical that can be used in the UAE.</p>	<p>Guided reading</p>
<ul style="list-style-type: none"> <li>Quantitative Chemistry</li> <li>Controlling body temperature</li> <li>Controlling blood glucose</li> <li>Treating diabetes</li> </ul>		
<ul style="list-style-type: none"> <li>Rates of Reaction</li> <li>Pathogens and disease</li> <li>Defence mechanisms</li> <li>Immunity</li> </ul>	<p>How does the doctors in the UAE prevent diseases from spreading in hospitals? Explain why knowing the rate of reaction is important for UAE industries.</p>	
<ul style="list-style-type: none"> <li>Rates of reaction</li> <li>Using drugs to treat disease</li> </ul>		
<ul style="list-style-type: none"> <li>Extent of Reaction</li> <li>Changing pathogens</li> <li>Growing and investigating bacteria</li> </ul>		
<ul style="list-style-type: none"> <li>Revision</li> </ul>	<p><b>Assessment Weeks</b></p>	
<p><b>Spring Break</b></p>		