

## Key Stage 4 Curriculum Map 2019 - 2020

### Term 2

Subject: Biology	Year: 10	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> <li>• Transport in the blood</li> <li>• The immune system and blood groups</li> <li>• Carbohydrates, lipids and proteins</li> </ul>	Why is it important we donate blood in the UAE?	Guided reading
<ul style="list-style-type: none"> <li>• Catalysts and enzymes</li> <li>• Factors affecting enzyme action</li> <li>• The digestive system</li> </ul>	Why is fat stored in a camels hump?	
<ul style="list-style-type: none"> <li>• Making digestion efficient</li> <li>• Exchange in the gut</li> <li>• Making use of enzymes</li> </ul>		
<ul style="list-style-type: none"> <li>• Responding to change</li> <li>• Reflex actions</li> <li>• Animal behavior</li> </ul>	How does a falcon communicate with each other?	
<ul style="list-style-type: none"> <li>• Animal behavior</li> <li>• Animal communications</li> </ul>	How does a camel communicate with each other?	
<ul style="list-style-type: none"> <li>• Reproductive behaviors</li> <li>• Human use of animal behaviors</li> </ul>	How does a falcon communicate with each other?	
<ul style="list-style-type: none"> <li>• Assessment week</li> </ul>		
<b>Mid Term Break</b>		
<ul style="list-style-type: none"> <li>• Principles of homeostasis</li> <li>• Removing waste products</li> <li>• The human kidney</li> </ul>	Describe how homeostasis takes place in a desert mouse.	Guided reading
<ul style="list-style-type: none"> <li>• Controlling body temperature</li> <li>• Controlling blood glucose</li> <li>• Treating diabetes</li> </ul>		

<ul style="list-style-type: none"> <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?</p>	<p>Guided reading</p>
<ul style="list-style-type: none"> <li>• Using drugs to treat disease</li> </ul>		
<ul style="list-style-type: none"> <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 style="text-align: center;"><b>Spring Break</b></p>		