



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"> Metals Transport in the blood The immune system and blood groups Carbohydrates, lipids and proteins 	<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"> Electrolysis Catalysts and enzymes Factors affecting enzyme action The digestive system 	<p>Why is fat stored in a camels hump? How are metals extracted in the UAE?</p>	
<ul style="list-style-type: none"> Chemical Analysis Making digestion efficient Exchange in the gut Making use of enzymes 	<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"> Acids/Bases and Salts Responding to change Reflex actions Animal behavior 	<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"> Complete Practicals Animal behavior Animal communications 	<p>How does a camel communicate with each other?</p>	
<ul style="list-style-type: none"> Revision Reproductive behaviors Human use of animal behaviors 	<p>How does a falcon communicate with each other?</p>	
<ul style="list-style-type: none"> Assessment week 		
	Mid Term Break	

<ul style="list-style-type: none"> • Quantitative Chemistry • Principles of homeostasis • Removing waste products • The human kidney 	<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"> • Quantitative Chemistry • Controlling body temperature • Controlling blood glucose • Treating diabetes 		
<ul style="list-style-type: none"> • Rates of Reaction • Pathogens and disease • Defence mechanisms • Immunity 	<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"> • Rates of reaction • Using drugs to treat disease 		
<ul style="list-style-type: none"> • Extent of Reaction • Changing pathogens • Growing and investigating bacteria 		
<ul style="list-style-type: none"> • Revision 	<p>Assessment Weeks</p>	
<p>Spring Break</p>		