

Key Stage 4 Curriculum Map 2020 - 2021

Year 10 GCSE Biology

Term 1

Subject: Biology	Year: 10	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> • Exchanging materials • Breathing and gas exchange in the lungs 	Create a summary about respiratory disorders within the UAE	Guided reading
<ul style="list-style-type: none"> • Artificial breathing aids • Anaerobic respiration 	Design an investigation into how the effect of exercise on the body differs in the UAE when compared to the UK.	Guided reading
<ul style="list-style-type: none"> • The effect of exercise on the body required practical • Breathing end of topic test 	Justify the importance of blood donation within the UAE	Guided reading
<ul style="list-style-type: none"> • The circulatory system and the heart • Helping the heart 	Justify the importance of blood donation within the UAE	Guided reading
<ul style="list-style-type: none"> • Keeping the blood flowing • Transport in the blood 	Create a summary about coronary heart disease within the UAE	Guided reading
<ul style="list-style-type: none"> • The immune system and blood groups • Circulation end of topic test 	Create a summary about blood disorders within the UAE	Guided reading
Half Term		
Year 10 Mock Week		
<ul style="list-style-type: none"> • Carbohydrates, lipids and proteins • Catalysts and enzymes • Factors affecting enzyme action 	Justify why is fat stored in a camel's hump.	Guided reading
<ul style="list-style-type: none"> • The digestive system • Making digestion efficient • Exchange in the gut 	Explore obesity within the UAE compared to other counties around the world.	Guided reading
<ul style="list-style-type: none"> • Making use of enzymes • Digestion end of topic test 	Explore nervous system disorders and their prevalence in the UAE.	Guided reading

<ul style="list-style-type: none">• Responding to change		
<ul style="list-style-type: none">• Reflex actions• Nervous system end of topic test	Summarise what scientific research the UAE has conducted into the nervous system	Guided reading
End of term 2		