

Key Stage 4 Curriculum Map 2021 - 2022

Year 10 GCSE Biology

Term 2

Subject: Biology		Year: 10	
Focus/Topic	UAE Links	HPL Links	Home Learning / Reading
<ul style="list-style-type: none"> The Digestive System Enzymes Required Practical on Enzymes (Prep) 	Explain the role of enzymes in the digestion of camel milk.	VAA: Empathetic Collaborative: <i>The ability to seek out opportunities to receive responses to your work; present your own views and ideas clearly and concisely; listen to the views of others; be willing and able to work in teams; take a variety of roles and be able to evaluate your own ideas and contributions.</i> ACP: Analysing Critical thinking: <i>The ability to deduct, hypothesise, reason, seek supporting evidence</i>	Guided reading
<ul style="list-style-type: none"> Required Practical on Enzymes Required Practical on Enzymes (Graph/Analysis) Required Practical on Enzymes (6 mark question) 	Design an investigation into the effect of temperature in UAE on enzymes compared to the UK.		Guided reading
<ul style="list-style-type: none"> Digestion End of topic test Conscious Response Reflex Arc 	The UAE has been recently named as one of the safest countries to live. Explain how a reflex action may prevent you from harm.		Guided reading
<ul style="list-style-type: none"> Reaction Time Practical Reaction Time Practical (Graph/Analysis) Reaction Time Practical (6 mark question) 	Demonstrating the Islamic value of Brotherhood by working collaboratively as a team.		Guided reading
<ul style="list-style-type: none"> Nervous System End of topic test Controlling temperature Control blood glucose concentration 	Compare how controlling body temperature will differ in the UAE during August compared to February.		Guided reading
<ul style="list-style-type: none"> Controlling water content Homeostasis End of Topic Test 	Islamic values of resilience and perseverance.		Guided reading
February Half Term			

<ul style="list-style-type: none"> • Mating systems and Parental Care • Animal behaviour • Communication 	<p>Research how the Crown Prince Sheikh Hamdan trains his falcons to hunt prey.</p>	<p>VAA: Agile Open minded: <i>The ability to take an objective view of different ideas and beliefs; become more receptive to other ideas and beliefs based on the arguments of others; change</i></p>	<p>Guided reading</p>
<ul style="list-style-type: none"> • Behaviour End of Topic Test • Communicable Disease • Immunity 	<p>Evaluate the effectiveness of the different Coronavirus vaccines offered in the UAE.</p>	<p><i>ideas should there be compelling evidence to do so.</i></p>	<p>Guided reading</p>
<ul style="list-style-type: none"> • Antibiotics • The effect of disinfectants and antibiotics on uncontaminated cultures of microorganisms • The effect of disinfectants and antibiotics on uncontaminated cultures of microorganisms Required Practical (Prep) 	<p>Read the article: Antibiotics from cockroaches may save lives, study finds - News Khaleej Times</p> <p>Discuss how the UAE are preventing the further progression of antibiotic resistance.</p>	<p>ACP: Linking Connection finding: <i>The ability to use connections from past experiences to seek possible generalisations</i></p>	<p>Guided reading</p>
<ul style="list-style-type: none"> • The effect of disinfectants and antibiotics on uncontaminated cultures of microorganisms Required Practical. • The effect of disinfectants and antibiotics on uncontaminated cultures of microorganisms Required Practical (Graph/Analysis). • The effect of disinfectants and antibiotics on uncontaminated cultures of microorganisms Required Practical (6 mark question) 	<p>Design an investigation into the effectiveness of antibiotics to prevent the spread of bacterial diseases around the UAE.</p>		<p>Guided reading</p>
<ul style="list-style-type: none"> • Defending Ourselves Against Disease End of Topic Test • End of Term 2 Synoptic Paper 	<p>Islamic values of resilience and perseverance.</p>		<p>Guided reading</p>

Spring Break