

## Key Stage 5 Curriculum Map 2021-22

## Year 12 AS Biology

## Term 1

Subject: Biology	Year: 12		
Focus/Topic	UAE Links	HPL Links	Home Learning / Reading
nduction, curriculum orientation and expectations			
<ul> <li>Carbohydrates</li> <li>Disaccharides and polysaccharides</li> <li>Starch and cellulose</li> <li>Pathogens</li> <li>Data and diseases</li> <li>Lipids</li> <li>Proteins</li> </ul>	Summarise how the UAE promotes a healthy diet Research the most common diseases in the	Critical thinking: The ability to deduct, hypothesise, reason,	Guided reading Guided reading
<ul> <li>Food test required practical</li> <li>Lifestyle and health</li> <li>Causes of disease end of topic test</li> </ul>	UAE, justify why these are the most common and how to prevent them.		
<ul> <li>Biological molecules end of topic test</li> <li>Enzymes and digestion</li> </ul>	Justify the protocols the UAE has put into place to protect the nation against covid-19.		Guided reading
<ul> <li>Investigating the structure of cells</li> <li>The electron microscope</li> <li>Eukaryotic cell structure</li> <li>Digestion</li> <li>Absorption of the product of digestion</li> </ul>	Compare the plant cell of a cactus and an oak tree.		Guided reading
<ul> <li>Digestion end of topic test</li> <li>Cell differentiation and organization</li> <li>The structure of prokaryotic cells</li> </ul>	Explore how the camel's digestive system is		Guided reading

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		Guided reading
Mid Ter	m Break	
Create a summary about	VAA: Agile	Guided reading
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the UAE.		
Create a summary about	beliefs based on the arguments	Guided reading
active transport within	of others; change	
the UAE.		
Create a summary how		Guided reading
	ACP: Linking	C C
within the UAE.	•	
	ability to use connections	
	from past experiences to seek	
Justify the importance of		Guided reading
	generalisations	5
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Justify why we have large		Guided reading
insects within the UAE.		
Create a summary about		Guided reading
respiratory disorders		, č
within the UAE		
		Guided reading
		5
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heamoglobin.		
Winter Break		1
	Create a summary about active transport within the UAE.Create a summary about active transport within the UAE.Create a summary how enzymes are utilised within the UAE.Justify the importance of the UAE investing in immunity research.Justify why we have large insects within the UAE.Create a summary about respiratory disorders within the UAECreate a summary about respiratory disorders within the UAEResearch anemia in the UAE and explain how this deficiency affects heamoglobin.	Evaluate whether the UAE should utilise reverse osmosisMid Term BreakVAA: Agile Open minded: 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 ideas should there be compelling evidence to do so.Create a summary how enzymes are utilised within the UAE.Create a summary how enzymes are utilised within the UAE.Justify the importance of the UAE investing in immunity research.ACP: Linking Connection finding: The ability to use connections from past experiences to seek possible generalisationsJustify why we have large insects within the UAE.Create a summary about respiratory disorders within the UAEResearch anemia in the UAE and explain how this deficiency affects heamoglobin.Research anemia in the UAE and explain how this deficiency affects heamoglobin.