

Key Stage 5 Curriculum Map 2020 - 2021

Year 12 AS level Biology

Term 2

Year: 12	
UAE Links	Home Learning / Reading
Justify why we have large insects within	Guided reading
the UAE.	
Research anemia in the UAE and explain	Guided reading
how this deficiency affects haemoglobin	
Research cardiovascular disease within	Guided reading
the UAE and why it is or is not prevalent	
Justify how xerophytes are adapted to	Guided reading
survive in the UAE.	
OCKS	
OCKS	
Term	
Evaluation what has influenced the same ties	Guided reading
variation of the UAE population	
)	Research anemia in the UAE and explain how this deficiency affects haemoglobin Research cardiovascular disease within the UAE and why it is or is not prevalent Justify how xerophytes are adapted to survive in the UAE. OCKS Term Explore what has influenced the genetic

Transport of organic substances in the phloem		
 Polypeptide synthesis – transcription and splicing 	Explore how a cactus differs from a	Guided reading
 Polypeptide synthesis – translation 	dicotyledenous plant in their transport	
Protein folding	and root systems	
Investigating transport in plants		
Aphids and plant viruses		
 Variation, DNA, genes and chromosomes and protein synthesis end of 	Explore why UAE ancestry can be traced	Guided reading
topic test	back to Africa	
 Meiosis and genetic variation 		
 Mass transport in plants end of topic test 		
The cell cycle and mitosis		
Classification	Explore how binary fission has led to	Guided reading
Genetic comparisons using DNA and proteins	antibiotic resistance and how hospitals in	
Genetic diversity	the UAE are countering it.	
Binary fission		
Species diversity	Explore how could biodiversity be	Guided reading
Species diversity and human activities	increased in the UAE	
Genetic diversity and biodiversity end of topic test		
• Gene mutation		
Cell division end of topic test		
End of to	erm 2	