

Key Stage 4 Curriculum Map 2020 - 2021

Year 11 GCSE Biology

Term 1

Subject: Biology		Year: 11	
Focus/Topic		UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> Inheritance Types of reproduction 		Compare the plant cell of a cactus and an oak tree.	Guided reading
<ul style="list-style-type: none"> Causes of variation From Mendel to modern genetics 		Justify how Mendel's research is important to the UAE	Guided reading
<ul style="list-style-type: none"> Inheritance in action DNA and family trees 		Justify the role of genetic counselors within the UAE.	Guided reading
<ul style="list-style-type: none"> Inherited conditions in humans More inherited conditions in humans 		Research inherited disorders within the UAE.	Guided reading
<ul style="list-style-type: none"> Variation and inheritance end of topic Cloning 		Evaluate whether the UAE should invest in research into cloning.	Guided reading
<ul style="list-style-type: none"> Adult cell cloning Genetic cloning 		Justify how the UAE could use cloning technology.	Guided reading
<ul style="list-style-type: none"> Making choices about genetic technology Genetic manipulation end of topic test 		Create a summary about active transport within the UAE.	Guided reading
<ul style="list-style-type: none"> The effects of the human population explosion Land and water pollution 		Outline how the UAE is helping the oceans.	Guided reading
Half Term			
<ul style="list-style-type: none"> Deforestation Global warming 		Justify how the UAE is trying to combat global warming.	Guided reading
<ul style="list-style-type: none"> Analysing the evidence Human population and pollution end of topic test 		Justify how the UAE can reduce its pollution	Guided reading

<ul style="list-style-type: none"> Principles of homeostasis Removing waste products 	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 human kidney Controlling body temperature 	Research and outline how a camel is adapted to regulate it's body temperature.	Guided reading
<ul style="list-style-type: none"> Controlling blood glucose Treating diabetes 	Analyse data on diabetes within the UAE and outline the trends found.	Guided reading
<ul style="list-style-type: none"> Homeostasis end of topic test 	Explore how the human body would regulate itself differently in the desert compared to the Antarctic	Guided reading
Winter Break		