

## Key Stage 4 Curriculum Map 2020 - 2021

### Year 10 GCSE Biology

#### Term 3

Subject: Biology	Year: 10	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> <li>• Communicable Diseases</li> <li>• Immunity and vaccination</li> </ul>	How has the UAE limited the spread of Covid-19?	Guided reading
<ul style="list-style-type: none"> <li>• Antibiotics and antibiotic resistance</li> <li>• Growing Bacteria</li> </ul>	Research how the UAE is helping fight antibiotic resistance.	Guided reading
<ul style="list-style-type: none"> <li>• Photosynthesis</li> <li>• Limiting Factors of Photosynthesis</li> <li>• Investigating the rate of photosynthesis</li> </ul>	How might plants native to the UAE be adapted for photosynthesis be different to plants native to the UK?	Guided reading
<ul style="list-style-type: none"> <li>• Transpiration</li> <li>• Genetics</li> <li>• Reproduction</li> </ul>	Create a leaflet on how plants in the UAE are adapted to avoid water loss.	Guided reading
<ul style="list-style-type: none"> <li>• Inheritance</li> <li>• Genetic Disorders</li> </ul>	Research the most common genetic disorders in the UAE	Guided reading
<ul style="list-style-type: none"> <li>• Cloning</li> <li>• Genetic Manipulation</li> </ul>	Research the laws around cloning in the UAE.	Guided reading
<ul style="list-style-type: none"> <li>• Evolution and survival of the fittest</li> <li>• Darwin's Finches</li> </ul>	Compare Darwin's finches to some of the birds found in the UAE	Guided reading
<ul style="list-style-type: none"> <li>• Energy Transfers within Ecosystems</li> <li>• Pyramids of Biomass</li> <li>• Competition</li> </ul>	Create a food chain for an ecosystem in the UAE	Guided reading
<ul style="list-style-type: none"> <li>• Adaptations</li> <li>• Population Changes</li> </ul>	Explain how a camel is adapted to life in the UAE	Guided reading
<ul style="list-style-type: none"> <li>• Global Warming</li> <li>• Deforestation</li> </ul>	Create a poster explaining what impact may global warming have on the UAE.	Guided reading
<ul style="list-style-type: none"> <li>• Land and Water Pollution</li> <li>• Air pollution</li> </ul>	Develop a plan that could be put in place to reduce water pollution in the UAE.	Guided reading

End of Year Assessments

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