



## Year 11- Science Curriculum Plan Overview

Year 11 - GCSE Biology			
Term	Topic	Learning	How can parents' best support
Autumn 1	Inheritance, Variation and Evolution	<ul style="list-style-type: none"> <li>• Variation</li> <li>• Evolution</li> <li>• Speciation</li> <li>• Selective Breeding</li> </ul>	<p>If appropriate discuss characteristics in your family and their family tree.</p> <p>Watch nature and farming documentaries to identify the whole range of diversity on planet Earth and in the UK.</p>
	Homeostasis and response	<ul style="list-style-type: none"> <li>• Homeostasis</li> <li>• Diabetes</li> </ul>	
<b>Assessment:</b>			
Autumn 2		<ul style="list-style-type: none"> <li>• Hormones</li> <li>• Reproduction</li> <li>• Plant Hormones</li> </ul>	<p>Discuss growing up and the changes hormones have on our bodies.</p>
	Cells	<ul style="list-style-type: none"> <li>• Cell Structure</li> <li>• Investigating cells</li> </ul>	
<b>Assessment:</b> <b>GCSE practice paper 2</b>			
Spring 1	Cell Biology	<ul style="list-style-type: none"> <li>• Cell Division</li> <li>• Cell Transport</li> </ul>	<p>Discuss healthy living, keeping fit and the long term benefits.</p> <p>Take part in a family physical activity that is appropriate and maintainable for your family.</p> <p>Discuss the importance of a healthy mental and physical health.</p>
	Organisation	<ul style="list-style-type: none"> <li>• Level of Organisation</li> <li>• Digestion</li> <li>• Blood and Circulation</li> <li>• Non- Communicable Disease</li> <li>• Transport in Plants</li> </ul>	
<b>Assessment:</b>			
Spring 2	Infection and Disease	<ul style="list-style-type: none"> <li>• Pathogens and Disease</li> <li>• Human Defence against Disease</li> <li>• treating Disease</li> <li>• Plants Disease</li> </ul>	<p>Watch documentaries on staying healthy including healthy eating and healthy lifestyles.</p> <p>and Watch news updates on Coronavirus and discuss prevention of disease.</p> <p>Watch documentaries on Vaccine development.</p> <p>Discuss where our food comes from.</p> <p>Watch gardening and farming programmes to become familiar with plant terms and techniques used for propagation and for increasing growth/yields.</p> <p>Plant your own vegetables at home, discuss possible plant disease.</p>
	Photosynthesis	<ul style="list-style-type: none"> <li>• Photosynthesis</li> <li>• Respiration and Exercise</li> </ul>	
<b>Assessment:</b> <b>GCSE practice paper 1</b>			
	Control words	•	

<b>Summer 1</b>	Revision techniques Exam practice		
<b>Assessment:</b>			
<b>Summer 2</b>	Support transition to College	<ul style="list-style-type: none"><li>•</li></ul>	