



## Year 11- Science Curriculum Plan Overview

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

<b>Summer 1</b>	Control words Revision techniques Exam practice	Revision techniques. Seneca and GCSE pod.	Wellbeing and revision strategies for individual.
<b>Assessment:</b>			
<b>Summer 2</b>	Support transition to College		