



Curriculum Plans – Key Stage 4 Biology

Please find below a detailed outline of the curriculum covered in Biology through Year 11 in Key Stage 4.

Year 11

	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
	<p>Reproduction in Plants and Humans (Unit 3)</p> <ul style="list-style-type: none"> Flowers Pollination Fertilisation Germination The menstrual cycle Copulation and conception Contraception Pregnancy Birth and the newborn baby <p>Sexually transmitted infections</p> <p>Variation and Inheritance</p> <ul style="list-style-type: none"> DNA, proteins and the characteristic of organisms How the code is carried Cell division Inheritance Patterns of inheritance Inherited medical conditions <p>Chromosomes</p> <p>Variation and Selection</p>	<p>Variation and Selection</p> <ul style="list-style-type: none"> Causes of Variation The evolution of species Natural selection Artificial selection <p>Ecosystems, Decay and Cycles (Unit 4)</p> <ul style="list-style-type: none"> Food chains and food webs Pyramids of numbers, biomass and energy Decay The carbon cycle The nitrogen cycle Recycling water 	<p>Unit 4</p> <p>Human Population Growth & Bacteria</p> <ul style="list-style-type: none"> Factor affecting population size Human population growth Bacteria in biotechnology and genetic engineering Enzymes from bacteria Using fungi to produce antibodies <p>The economic importance of yeast</p> <p>Human Impact On Ecosystems</p> <ul style="list-style-type: none"> Food supply Land use for agriculture Malnutrition and famine Pollution Eutrophication Conservation of species Managing fish stocks 	<ul style="list-style-type: none"> Conservation efforts worldwide Conservation of resources Saving fossil fuels <p>Recycling</p> <p>Revision</p> <p>Past Papers</p> <p>Mock Exam Intervention</p>	<p>Recap units from Year 10 - Consolidating prior knowledge through revision</p> <ul style="list-style-type: none"> Photosynthesis and Plants Food and nutrition The nervous system Health and Diseases Plant & Animal circulation Variation and Inheritance <p>Reproduction in plants and humans</p>	<p>Walk through mock exam Workshops</p>	
Assessment	End of Unit Assessment		End of Unit Assessment	Internal Mock Cambridge IGCSE Exam	Self- Assessment and Intervention	Self- Assessment and Exam Skills	External Cambridge IGCSE Exam