

Biology Curriculum Map							
A. Formal Curriculum Key Stage 5							
Core Content & Skills		By the end of key stage FIVE we want all students of Biology to know and do the following things: 'Think like a Scientist'; consider and apply knowledge of key processes within eukaryotic and prokaryotic organisms; develop knowledge of microbiology and genetics, research and wider reading independently; synoptic thinking including links between sciences; critical analysis of data; build in-depth knowledge of the Biological World. Pupils should be competent in planning, conducting and evaluating a range of investigations, including the use of relevant statistical tests.					
Prior Knowledge & Skills		In KS5, students of Biology will build on the following prior learning: GCSE Biology covers a range of topics, including molecular biology, cell biology, genetics, biochemistry, physiology, ecology, and evolution. It is important to have a solid understanding of these concepts and their interrelationships. Students will have begun to develop their scientific critical thinking skills, as well as make synoptic links within and between topics and subjects. Pupils will have planned and evaluated their own investigations, questioning the validity of their approach and providing insights for further improvement of scientific technique.					
Future knowledge		The Curriculum in KS5 Biology will prepare students for the following future learning: Further learning or employment within the areas of conservation, molecular biology, medical studies and more. Multidisciplinary and cross curricular studies/careers will be aided by the development of critical thinking, planning and evaluative skills.					
Year 13	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1 <ul style="list-style-type: none"> Cell Structure Biological Molecules 	Term 2 <ul style="list-style-type: none"> Cell Division, Diversity and Differentiation Enzymes Nucleic Acids 	Term 3 <ul style="list-style-type: none"> Biological Membranes Communicable Disease 	Term 4 <ul style="list-style-type: none"> Exchange Surfaces and Breathing Variation and Evolution Variation and Adaptation 	Term 5 <ul style="list-style-type: none"> Transport in Animals Variation and Adaptation Biodiversity 	Term 6 <ul style="list-style-type: none"> Transport in Plants Biodiversity Ecosystems
	Key assessment points		Initial Skills test	End of Module 1 test	End of topic tests		Y12 Predictor exams
Year 12	Key knowledge, skills and concepts TAUGHT, REVISED, REVISITED AND LEARNT	Term 1 <ul style="list-style-type: none"> Communication and Homeostasis Hormones Respiration Animal Responses 1 	Term 2 <ul style="list-style-type: none"> Excretion Nerves Animal Responses 2 Cellular Control 	Term 3 <ul style="list-style-type: none"> Plant Responses Photosynthesis Populations and Sustainability Patterns of Inheritance 	Term 4 <ul style="list-style-type: none"> Variation and Selection Biotechnology 	Term 5 <ul style="list-style-type: none"> Manipulating Genomes 	Term 6 <ul style="list-style-type: none"> Study Leave
	Key assessment points		End of topic tests	Mock GCEs			
B. Holistic development via Enrichment/Personal Development Curriculum							





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