



Curriculum Plans – Sixth Form Biology

Please find below a detailed outline of the curriculum covered in Biology through Year 13 in Sixth Form.

Year 13

	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
	Energy and respiration (Unit 12) <ul style="list-style-type: none"> • Need for energy • Respiration • Mitochondria Photosynthesis (Unit 13) <ul style="list-style-type: none"> • Reactions of photosynthesis • Chloroplasts • Trapping lightenergy Homeostasis (Unit 14) <ul style="list-style-type: none"> • Internal environment • Control of body temperature • Excretion • Kidneys • Control of water content Control of bloodglucose 	Coordination (Unit 15) <ul style="list-style-type: none"> • Nervous communication • Muscle contraction • Hormonal communication Inherited change (Unit 16) <ul style="list-style-type: none"> • Chromosomes • Meiosis • Genetics • Inheritance • Mutations • Gene control 	Selection and evolution (Unit 17) <ul style="list-style-type: none"> • Variation • Natural selection • Evolution • Species • Extinction Biodiversity, classification and conservation (Unit 18) <ul style="list-style-type: none"> • Ecosystems • Biodiversity • Threats to biodiversity • Viruses • Endangered species • Restoring habitats 	Genetic technology (Unit 19) <ul style="list-style-type: none"> • Genetic engineering • Gene therapy • Genetic technology in medicine and agriculture 	Review Revision Past Papers	Revision Lessons	Revision Lessons
Assessment	End of Unit Assessment October 4 th Monday	End of Unit Assessment November 5 th Friday	End of Unit Assessment December 17 th Friday	Mock Exam		External Cambridge A Level Exams	