

Year 13 Curriculum Map

Term	Teacher A (3 hrs/week)	Teacher B (3 hrs/week)	Notes
1	<p>Module 4.1 Diseases and Immune system Animal and plant pathogens Animal and plant diseases The transmission of communicable diseases Plant defences against pathogens Non-specific animal diseases against pathogens</p> <p>Module 4.2: Biodiversity Investigating Biodiversity Genetic diversity Factors affecting biodiversity Conservation</p>	<p>Module 4.3: Classification & evolution Classification and 5 kingdoms Phylogeny Evidence for evolution Representing variation graphically Adaptations Changing population characteristics</p> <p>Module 6.1.1: Cellular control Regulating gene expression Body plans Gene mutations</p>	PAG7 continued PAG8: Yeast respiration PAG12: Research
2	<p>Module 6.2.1: Cloning and biotechnology Natural cloning in plants Artificial cloning in plants Cloning in animals Micro-organisms and biotechnology Microorganisms, medicines, and bioremediation Culturing microorganisms in the lab Culturing microorganisms on an industrial scale Using immobilised enzymes</p>	<p>Module 6.1.2: Patterns of inheritance Types and causes of variations Genetic diagrams Multiple alleles and dihybrid crosses Linkage Epistasis Chi square</p>	PAG7: Microbial techniques
3	<p>Module 6.3.2: Populations & sustainability Population size Competition, Predator/prey relationships Conservation of ecosystems Human impact on ecosystems Ecosystem management: Masai Mara, Terai region of Nepal, Peat bogs</p>	<p>Module 6.1.3: Manipulating genomes DNA profiling Genetic engineering Sequencing genes and genomes</p>	PAG10 : Data logger PAG12: Research

4	Module 6.3.1: Ecosystems Ecosystems and energy flow Recycling in ecosystems Succession Investigating ecosystems Final Mock Exams & Feedback	Core maths in genetics Final Mock Exams & Feedback	PAG3: Sampling techniques Ecological calculations
5	Review: Core maths in ecology/genetics Practical Focus Week	Review: Weak topic Data analysis focus	Exam Paper Practice: Paper 1 (Bio Processes) Catch-up on all PAGs Targeted feedback
6	Long answer & practical planning (A03) Practical write-ups & graph skills Paper 3-style integrated teaching (Modules 1-6)	Paper 3-style skills: synoptics & evaluation Personalized Revision (exam structure support)	Exam Paper Practice: Paper 2 (Bio Diversity) Targeted feedback