



## Year 11 Biology curriculum overview for 2025 – 2026 (Following 2022 curriculum model)

	Key content (knowledge)	Key skills	Assessments	Challenge and enrichment
Autumn half term 1	<p>Meiosis, genomes, DNA structure and protein synthesis. Gene expression and mutation.</p> <p>Inheritance.</p>	<p>Synoptic links with enzymes and negative feedback loops.</p> <p>Using Punnett square diagrams and expressing ratio in relation to inheritance.</p>	Test 1: Homeostasis plus adaptations and interdependence (from end of year 10).	<p><b>Cambridge Biology Challenge, run by Homerton College.</b></p> <p>Role of Rosalind Franklin and others in discovery of DNA.</p>
Autumn half term 2	<p>Evolution by natural selection, evidence for evolution.</p> <p>Development of antibiotic resistance, speciation, cloning. Selective breeding and genetic engineering. Classification.</p>	<p>Follow up from exam feedback.</p> <p>Ethics of cloning.</p> <p>Data analysis in relation to trends of antibiotic resistance.</p>	MOCK EXAM 1	Wider reading – Biological Sciences review article “Evolution in the twenty-first century”.

Spring half term 1	Population change, pollution, deforestation, climate change impact, maintaining biodiversity. Food security, biomass transfer, sustainable food production.		Test 2 (mini test of evolution and speciation).	<b>Microbiology in Schools Advisory Committee (MiSAC) annual poster competition.</b> Wider reading – Biological Sciences review article “The future of food”.
Spring half term 2	Guided revision and exam technique	Follow up from exam feedback.	MOCK EXAM 2	
Summer half term 1			GCSE public exams begin.	
Summer half term 2				<b>Royal Society of Biology Nancy Rothwell Prize biological drawing competition.</b>  Bridging work for A level Biology.