

Date (w/b)	Exams	Unit(s)	
01/09/2025		<u>Ecology Required practical</u> <u>3.5.2 Respiration</u> - Glycolysis - Link/Krebs - Electron Transport Chain - Anaerobic Respiration - Respiration test <u>3.5.1 Photosynthesis</u> - Chloroplasts and Chlorophyll - Chromatography – Required Practical - Light dependent reaction - Light Independent reaction - Photosynthesis Summary - Chloroplast required practical - Limiting Factors - Photosynthesis test	<u>Ecosystems</u> - Sampling - Succession - Predation <u>3.6.1 Survival and response</u> <u>3.6.2 Nervous coordination</u> - Nerves review from last year - Nerves test
08/09/2025			
15/09/2025			
22/09/2025			
29/09/2025			
06/10/2025			
13/10/2025			
20/10/2025			
03/11/2025		- Farming and cycles (Self study review) <u>3.7.1 Inheritance</u> - Monohybrid crosses - Chi Squared - Co-Dominance - Multiple Alleles - Sex-Linkage - Dihybrid crosses	<u>3.6.3 Muscles</u> - Muscle structure - Muscle contraction - Slow/Fast twitch muscles - Muscles test
10/11/2025			
17/11/2025			
24/11/2025			
01/12/2025			
08/12/2025			
15/12/2025			
05/01/2026		- Epistasis - Autosomal Linkage - Gene Pools/Allele frequency - Hardy-Weinberg - Phenotypes - Inheritance test	- Plant responses - Choice chamber required practical <u>3.6.2 Homeostasis</u> - Homeostasis and negative feedback - Blood glucose control - Insulin and Glucagon - Adrenalin and Diabetes - Serial dilution required practical
12/01/2026			
19/01/2026			
26/01/2026			
02/02/2026			
09/02/2026			
23/02/2026		<u>3.7.3 - Variation and Evolution</u> - Variation - Natural selection, Selection types - Speciation, Genetic drift - Variation test <u>3.8.3.4 Gene Technology</u> - Mutations - Stem cells/totipotency - Transcription regulation - Epigenetics - Cancer - Human genome project	- Water control and the Kidneys - Essay skills <u>3.8.3.4 Gene Technology</u> - Recombinant DNA - Gene therapy - PCR
02/03/2026			
09/03/2026			
16/03/2026			
23/03/2026			
30/03/2026			
20/04/2026		- Essay skills - Revision	- DNA Hybridisation - DNA fingerprinting - Gene Technology test
27/04/2026			
04/05/2026			
11/05/2026			
18/05/2026			
01/06/2026			
08/06/2026			
15/06/2026			
22/06/2026			
29/06/2026			
06/07/2026			
13/07/2026			

Year 13 Long Term Scheme of Learning 2025-26

Subject: Biology

