

Year 10 Biology Mastery Curriculum

(For students starting Year 10 in Sept 2025)

Week Beginning

Topic - AQA Paper 1

Core Principles

1 July 2025	Cell Structure (B1.1)
8 July	Microscopy + Cell Division (B1.2-1.6)
15 July	Transport in Cells (B1.7)
22 July	Organisation: Tissues + Organs (B2.1-2.2)
29 July	The Heart + Blood Vessels (B2.3-2.4)
5 Aug	Blood + Health Issues (B2.5-2.6)
12 Aug	Cancer, Lifestyle & Disease (B2.7-2.9)
19 & 26 Aug	Summer Break (No lessons)
2 Sep	Plant Organisation & Transport (B2.10)
9 Sep	Pathogens + Bacteria + Viruses (B3.1-3.3)
16 Sep	Defence Systems + Vaccination (B3.4-3.5)
23 Sep	Antibiotics + Drug Development (B3.6-3.7)
30 Sep	Monoclonal Antibodies (B3.8)
7 Oct	Plant Diseases (B3.9)
14 Oct	Photosynthesis (B4.1-4.2)
21 Oct	Factors Affecting Photosynthesis (B4.3-4.4)
28 Oct	Respiration (B4.5-4.6)
4 Nov	Metabolism (B4.7)
11 Nov	Recap + Required Practicals Review
18 Nov	Low-stakes Quiz + Diagnostic Test
25 Nov	DIRT + Gaps Retaught
2 Dec	Paper 1 Mock Preparation
9 Dec	Paper 1 Mock Execution

Application

16 & 23 Dec	Christmas Break (No lessons)
30 Dec	Cell Biology - Model Answers
6 Jan 2026	Cell Biology - Extended Response Qs
13 Jan	Organisation - Model Answers
20 Jan	Organisation - Extended Response Qs
27 Jan	Infection & Response - Short Answer Qs
3 Feb	Infection & Response - Application Qs
10 Feb	Bioenergetics - Graphs & Data Qs
17 Feb	Bioenergetics - 6-Markers

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Exam
Focus

24 Feb 2026	Required Practicals: Qs + MS walkthrough
3 Mar	Interleaved Practice: Cell + Organisation
10 Mar	Interleaved Practice: Infection + Bioenergetics
17 Mar	Full Paper 1 Practice (Timed Conditions)
24 Mar	Paper 1 Marking + Reflection + Target Setting
31 Mar & 7 Apr	Easter Break (No Lessons)
14 Apr	Targeted Revision: Low Scoring Areas
21 Apr	Key Diagrams + Definitions Practice
28 Apr	Top 20 AQA Mark Scheme Phrases
5 May	Required Practicals Recap + Flashcards
12 May	Final Paper 1 Exam Warm-Up