

Year 10 Biology Mastery Curriculum

(For students starting Year 10 in Sept 2025)

Week Beginning

Topic - AQA Paper 1

Core
Principles

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

16 & 23 Dec (No Lessons)

Christmas Break (Progress Reports)

Application

30 Dec	Cell Biology - Model Answers
6 Jan 2026	Cell Biology - ERQs
13 Jan	Organisation - Model Answers
20 Jan	Organisation - ERQs
27 Jan	Infection & Response - Model Answers
3 Feb	Infection & Response - ERQs
10 Feb	Bioenergetics - Graphs & Data Qs
17 Feb	Half-Term (No Lesson)

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Topic - AQA Paper 1

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 (No Lessons)	Easter Break (Progress Reports)
14 Apr	Targeted Revision: Low Scoring Areas
21 Apr	Key Diagrams + Definitions Practice
28 Apr	Required Practicals Recap + Flashcards
5 May	Final Paper 1 Warm-Up Exam
12 May	No Lesson

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Week Beginning

Topic - Edexcel Paper 1

Core
Principles

1 July 2025	CB1: Cells & Microscopy
8 July	CB1: Enzymes + Practical Skills
15 July	CB2: Mitosis + Cell Cycle
22 July	CB2: Growth in Animals & Plants
29 July	CB5: Health, Disease, Pathogens
5 Aug	CB5: Immune System + Body Defences
12 Aug	CB5: Antibiotics + Drug Development
19 & 26 Aug (Progress Reports)	Summer Break (No Lessons)
2 Sep	CB3: Genetics - DNA, Genes, Alleles
9 Sep	CB3: Inheritance + Punnett Squares
16 Sep	CB3: Genetic Variation & Mutations
23 Sep	CB4: Natural Selection + Evolution
30 Sep	CB4: Evidence + Classification
7 Oct	CB5: Non-Communicable Disease
14 Oct	Required Practicals Review
21 Oct	Recap + MCQ + Flashcard Tasks
28 Oct	Half-Term (No lesson)
4 Nov	Low-Stakes Quiz + Diagnostic Test
11 Nov	DIRT + Gaps Retaught
18 Nov	Paper 1 Mock Preparation
25 Nov	Paper 1 Mock Test
2 Dec	CB1-CB2: Model Answers
9 Dec	CB1-CB2: ERQs

16 & 23 Dec (Progress Reports)

Christmas Break (No Lessons)

Application

30 Dec	CB3 - Model Answers
6 Jan 2026	CB3 - ERQs
13 Jan	CB4 - Graphs & Data
20 Jan	CB4 - 6-Markers
27 Jan	CB5 - Flashcards + Diagrams
3 Feb	Required Practicals Qs + MS walkthrough
10 Feb	Interleaved Practice: CB1-CB2
17 Feb	Half-Term (No lesson)

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Topic - Edexcel Paper 1

Exam
Focus

24 Feb 2026	Interleaved Practice: CB3-CB5
3 Mar	Full Paper 1 Practice (Timed)
10 Mar	Marking + Reflection + Targets
17 Mar	Targeted Revision: Low Scoring Areas
24 Mar	Top 20 Edexcel Mark Scheme Phrases
31 Mar & 7 Apr (Progress Reports)	Easter Break (No Lessons)
14 Apr	Key Diagrams + Definitions
21 Apr	Final Practicals Recap + Flashcards
28 Apr	Final Warm-Up Exam
5 May	Final DIRT + Hard topics
12 May	No Lesson