

Combined Biology

100% Exam Assessed

Exam Board = Edexcel

HOF = Mr Booker

Paper 1 Topics to Revise

Key Concepts:

- Enzymes
- Osmosis, active transport, and diffusion
- Cell Structure

Cells & Control

- Specialised cells
- Cell Division (meiosis & mitosis)
- Growth & stem cells
- CNS, nervous system & Neurotransmission

Genetics

- DNA structure
- Variation
- Inheritance

Natural selection

- Evolution
- Natural Selection

Health disease & Development of Medicine

- Communicable diseases
- Treating, curing & preventing disease
- Making medicines
- Non-Communicable diseases.

Paper 2 Topics to Revise

Key Concepts:

- Enzymes
- Osmosis, active transport, and diffusion
- Cell Structure

Hormones

- Hormones & The menstrual cycle
- Type 2 diabetes

Plants

- Photosynthesis & limiting factors of photosynthesis
- Structure of the leaf
- Testing for starch
- Transpiration & Translocation

Exchange & /transport in animals

- Gas exchange
- Blood & Blood Vessels
- The heart, circulation & cardiac Output
- Respiration

Ecosystems and material cycles

- Adaptations, interdependence & competition
- Organisation of an ecosystem
- Biodiversity & human impact

Revision Links Paper 1

[The whole of Edexcel Biology Paper 1 in only 84 minutes!! Revision for 9-1 GCSE Bio Combined Science - YouTube](#)
[Cells and control - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Genetics - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Natural selection and genetic modification - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Health, disease and the development of medicines - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)

Revision Links Paper 2

[The whole of Edexcel Biology Paper 2 in only 50 minutes! Revision for 9-1 GCSE Bio Combined Science - YouTube](#)
[Plant structures and their functions - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Exchange and transport in animals - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Animal coordination, control and homeostasis - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Ecosystems and material cycles - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)

Revision Links Core Practicals

[GCSE Science video links sheet.pdf \(pearson.com\)](#)
[Edexcel GCSE Biology - Practical Skills \(physicsandmathstutor.com\)](#)
[GCSE Biology core practical videos | Pearson UK](#)

Common to both papers

[What are enzymes? - Enzymes - Edexcel - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Diffusion - Transport in cells - Edexcel - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)

Links to Sample Exam Papers

[SAMs GCSE L1-L2 in Combined Science.pdf \(pearson.com\)](#)

Exam Information

2 x 1 hour and 10-minute exam
60 Marks for each paper

