

Triple Biology

100% Exam Assessed

Exam Board = Edexcel

HOF = Mr Booker

Paper 1 Topics to Revise

All Combined biology material & additionally:

Key Concepts:

- Food tests
- Energy contained in food- Calorimetry

Cells & Control

- Structure & function of the brain
- Brain function & imagery
- Structure & function of the eye

Genetics

- Protein synthesis
- Genetic variation
- Mendel's work
- Blood groups

Natural selection

- Tissue culture
- Pentadactyl limb
- Genetic engineering
- Agricultural solutions

Health disease & Development of Medicine

- Lifecycle of a virus
- Plant diseases & defences
- Immunisations
- Aseptic techniques
- Monoclonal antibodies

Paper 2 Topics to Revise

All Combined biology material & additionally:

Hormones

- Homeostasis
- Thermoregulation
- Blood glucose regulation
- Kidney structure & treatments
- ADH & water regulation

Plants

- Surviving extreme conditions
- Plant hormones

Exchange & /transport in animals

- Fick's Law

Ecosystems and material cycles

- Efficiency in trophic levels
- Food security
- Indicator species
- Decomposition in food preservation
- Rate changes in decay

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 Biology.pdf \(pearson.com\)](#)

Exam Information

2 x 1 hour and 45-minute exam

100 Marks for each paper

