

Combined Physics

100% Exam Assessed

Exam Board = Edexcel

HOF = Mr Booker

Paper 1 Topics to Revise

Key Concepts:

- Units, converting between units & significant figures

Motion & forces

- Scalar & vector quantities
- Motion
- Newton's Laws
- Motion of vehicles
- Momentum (Higher)

Conservation of energy

- Changes in energy
- Efficiency
- Energy sources

Waves

- Properties of waves

Light & the EM Spectrum

- Properties, uses and dangers

Radioactivity

- Atoms
- Nuclear radiation
- Uses and dangers of radioactivity

Paper 2 Topics to Revise

Key Concepts:

- Units, converting between units & Significant figures

Forces doing work

- Transferring energy
- Power & efficiency

Forces & their effects

Electricity & circuits

- Electric circuits
- Mains electricity & alternating current

Magnetism & the motor effect

- Magnets & magnetic fields
- Electromagnets (higher)

Electromagnetic induction

- Electromagnetic induction & transformers

Particle model

- Density of materials
- Temperature changes & energy
- Particles in gases

Forces & matter

- Forces & elasticity

Revision Links

Paper 1

[Motion and forces - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Conservation of energy - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Waves - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Light and the EM spectrum - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Radioactivity - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[GRADEGORILLA | Science Revision Questions](#)

Revision Links

Paper 2

[Forces doing work - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Forces and their effects - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Electricity and circuits - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Magnetism and the motor effect - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Electromagnetic induction - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[The particle model - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Forces and matter - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)

Revision Links

Core Practicals

[Practical skills - GCSE Combined Science Revision - Edexcel - BBC Bitesize](#)
[Pearson Edexcel \(9-1\) Combined Science and GCSE Physics – Investigating the properties of water - YouTube](#)
[GCSE Science video links sheet.pdf \(pearson.com\)](#)

Common to both papers

[SI units - Key concepts of Physics - 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

