Triple Physics

100% Exam Assessed

Exam Board = Edexcel

HOF = Mr Booker

Paper 1 Topics to Revise

All Combined physics material:

Key Concepts
Motion & forces
Conservation of energy
Waves
Light & the EM Spectrum
Radioactivity

Additionally:

Astronomy:

- The solar system
- The expanding universe
- Life cycle of starts

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

All Combined physics material:

Additionally:

Astronomy:

Structure of the Solar System - The Solar System - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize

Red shift - The expanding Universe - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize

The Sun - The life cycle of stars - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize

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

Planning - Practical skills for carrying out a scientific investigation - GCSE Physics (Single 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_Physics.pdf (pearson.com)

Exam Information

2 x 1 hour and 45 -minute exam

100 Marks for each paper

SHOEBURYNESS HIGH SCHOOL