



Gordon's School Physics Department



KS4 - Curriculum Map

Key Words / Skills:

- Obtaining Data
- Analysing Evidence
- Describing patterns
- Applying Knowledge
- Explaining Phenomena
- Rearranging Formulae
- Calculating Quantities

GCSE Exams



Set 1: Space

Sets 1-6: Experimental skills & data analysis

Consolidating skills in working scientifically and analysing data.

Set 1: Force and Pressure

Sets 2-6: Radioactivity

Set 1: Causes and effects of pressure

Set 2-6: The nature and properties of nuclear radiation.



Y11 Mock exams

Electromagnetic waves

Properties of Waves

Investigating and calculating speed, frequency and wavelength

(Plus Set 1: Light)

Uses and properties of the electromagnetic spectrum

Electromagnetism

Exploring interactions between and electric current and magnetic fields.

Year 11

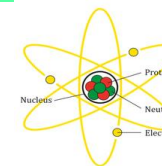
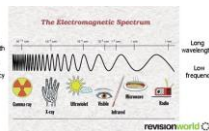
Motion

Forces in balance

Force and motion

Exploring the effects and interactions of forces and their relationship to motion.

Year 10 Mock Exams



Electricity in the home

Alternating current and domestic use of electricity.

Electric circuits

The relationship between current, potential difference and resistance in DC circuits.

P1: Conservation and dissipation of energy

Explaining processes in terms of energy moving between different stores.

Year 10



Year 9 Exams

Year 9

Energy resources

The methods and issues of different ways of providing energy.

Density and thermal physics

The particle model of matter and heat transfers within substances.

Command Words:

- Calculate
- Compare
- Complete
- Describe
- Determine
- Evaluate
- Explain
- Justify
- Predict
- State
- Suggest
- Use

Exam Specification:



Set 1

Should this QR code not work, please click [here](#) for the relevant specification.

Exam Specification:



Set 2-6

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