

A LEVEL PHYSICS

Areas of Study...

YEAR ONE

Section 1: Measurements & their errors

Section 2: Particles & Radiation

Section 3: Waves

Section 4: Mechanics & Materials

Section 5: Electricity

YEAR TWO

Section 6: Further Mechanics & Thermal Physics

Section 7: Fields and their consequences

Section 8: Nuclear Physics

Option topic from:

- Astrophysics
- Medical physics
- Engineering physics
- Turning points in physics
- Electronics



Practical Work... Assessed throughout the year against specifically designed practical's to support understanding of Physics techniques. Use of apparatus; use of appropriate instruments; use of laboratory glassware; specific equipment including oscilloscopes, Geiger counters, Rubens tube; design & construction of circuits.



Future Careers... Opticians, surveying, engineering, physicist in the medical field, astronomer, designer, accountancy, military, communications, television, laser physics and teaching.

Assessment

Paper 1: Sections 1-5 & 6.1 (Periodic Motion)

2 hours - 34% 85 marks

Paper 2: Section 6.2 (Thermal Physics); Sections 7 & 8

2 hours - 34% 85 marks

Paper 3: Section A: compulsory practical skills/data analysis

2 hours - 32%

Exams are a mixture of short and long answers.

EXAM BOARD: AQA



**HOLYROOD
SIXTH FORM**