

Physics 10

Time: 6 x 35 minutes per week

Course Description:

The IGCSE Physics course is aimed at providing educational experiences through studies of experimental and practical science. The syllabus content includes general physics, thermal physics, waves, electricity and magnetism and atomic physics. The course highlights the usefulness and limitations of the scientific method and demonstrates its applicability to other disciplines and in everyday life.

Resources:

Cambridge IGCSE Physics Coursebook w/CDROM(2nd ED)
Physics Matters GCE O Level Workbook (4 Edition)

Main Topics Covered:

Semester 1

Electricity and Magnetism

- Electromagnetism
- Electromagnetic induction
- Simple phenomena of magnetism
- Electromagnetic effects
- Cathode ray oscilloscope

Atomic Physics

- Radioactivity
- Nuclear atom

Semester 2

Revision of all topics:

- General physics
- Thermal physics
- Waves
- Electricity and magnetism
- Atomic physics

Assessment

Internal Assessment	Weighting
<ul style="list-style-type: none"> • End of Semester Examinations (SA1 + SA2) • Continual Assessment (CA1 + CA2 + CA3) including: <ul style="list-style-type: none"> - Topic tests - Assignments - Lab reports <p>NB. Reports are issued at the end of quarters 1 and 2 and early in quarter 4.</p>	<p>25 + 60</p> <p>5 + 5 + 5</p>
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