

Physics 10(Pre-IB)

Time: 9 x 35 minutes per week

Course Description:

The 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:

**Sang, David (2012), Cambridge IGCSE Physics Coursebook, Cambridge University Press, UK.
Physics Matters GCE O Level Workbook (4 Edition)**

Main Topics Covered:

Semester 1

- General physics
- Thermal physics
- Properties of waves, including light and sound
- Electricity

Semester 2

- Electromagnetism and electromagnetic induction
- Atomic physics
- Revision of all topics

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 5 + 5 + 5</p>
Total	100