

PREREQUISITES

Merit passes in both NCEA Science 1.1 Mechanics and Physics 1.1 Practical Physics Investigation. A good standard of Mathematics and English along with a sound work ethic are required. An interest in the physical world is desirable. If entry requirements are not met, an interview with the HoD or Teacher in Charge is required.

COURSE OUTLINE

The Level 2 Physics course investigates each of the externally assessed topics and at least two of the internally assessed topics.

(Externally assessed - 3 hour exam)

- mechanics - the study of linear and circular motion; forces; momentum and impulse; energy (6 credits)
- waves - the study of the dual nature of light (wave and particle models) and sound; reflection; refraction (4 credits)
- electricity & electromagnetism - the study of electrostatics; direct current; electromagnetism (6 credits)

(Internally assessed)

- Carry out a practical physics investigation that leads to a non-linear mathematical relationship - Practical
- Demonstrate understanding of atomic and nuclear physics - test
- Demonstrate understanding of physics relevant to a selected context - assignment.

ASSESSMENT

External assessment 10 - 16 credits

Internal assessment 7 – 10 credits

WHERE DOES IT LEAD?

The course is essential for Level 3 Physics.

It is a prerequisite for many courses - physiotherapy, radiography, engineering, architecture, aircraft flying, medicine, veterinary science and dentistry.

CONTRIBUTION

A Year 12 Physics workbook is required. This is a compulsory purchase and costs about \$30. It contains notes and questions to complete.

CONTACT

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