

Physics

Level: Stage 2

Course length: Full year

Credit value: 20 Credits

Advice to students

A study of SACE Stage 1 Physics is essential.

A sound knowledge of SACE Stage 1 Mathematics is desirable.

Course overview

SACE Stage 2 Physics is organised in three sections.

- Motion and Relativity
 - Projectile Motion
 - Uniform Circular Motion and Gravitation
 - Einstein's relativity
- Electricity and Magnetism
 - Electric Fields
 - The Motion of Charged Particles in Electric Fields
 - Magnetic Fields
 - The Motion of Charged Particles in Magnetic Fields
- Light and Atoms
 - The Interference of Light
 - Wave Particle Duality

Assessment

Students should provide evidence of their learning through eight assessments, including the external assessment component.

Students undertake:

School-based assessment

- Skills and Applications Tasks 40%
- Folio 30%

External assessment

- Examination 30%

Pathways

Leads to Science and Engineering courses at University and TAFE Colleges.

Physics also provides useful background knowledge in non-technical areas such as Business, Marketing, Publishing, Education, Art and Law.

Further information

TI Graphics calculators can be supplied for use in class.