Physics

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
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.
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.