Physics
Authority Subject

This subject can articulate to these as well as other related industry topics
- Civil, Electrical, Mechanical, Chemical, Aeronautical and Telecommunication Engineering
- Surveying
- Astrophysics
- Geophysics
- Medical Physics including Radiography and Nuclear Medicine
- Architecture
- Physical Sciences

Course Outline / Possible Contextualised Topics
- Cars Speed and Safety – kinematics and Dynamics
- Rocket Science – Newtons Laws, Conservation of energy and Momentum
- Physics in cars and the home – Electricity, Magnetism and Power Production and Distribution
- Visiting the reef – Kinetic Molecular Theory and the Gas Laws
- Sounds of Music – Sound, Light and Introduction to Electronics
- Discovering the Solar System – History and Models down through the ages
- Towards an Understanding – Introduction to Quantum, Atomic and Nuclear Physics

Assessment Requirements
- Supervised Assessment - SA
- Extended Experimental Investigation – EEI
- Extended Response Task – ERT

Minimum Requirements
- A minimum grade of C in Year 10 Science and Mathematics B
- An ability to work independently

Specialised Equipment Required
- College supplied computer
- Scientific or Graphics Calculator

Excursions and/or Subject Costs
Dreamworld – Theme Park Physics