



Course Information

Sciences

Physics | PHY



About the course

This course is new in 2025 and has significant changes from Physics 11 ATAR 2024



Unit one is about the interrelation of motion, forces and energy in the world around us.

Unit two focuses on waves, nuclear energy and atoms and electrical circuits.

A1PHY

Unit 1 Motion, forces and energy

Students develop an understanding of motion, forces and mechanical and thermal energy, which can be used to describe, explain and predict a wide range of phenomena. Students describe linear motion in terms of position and time data, and examine the relationships between force, momentum and energy for interactions in one dimension.

Students develop their understanding of motion, forces and mechanical and thermal energy phenomena through laboratory experiences and by interpreting, constructing and using a range of mathematical and symbolic representations.



Prerequisites

Minimum **C Grade in Year 10 Science** or equivalent
Minimum **C Grade in Year 10 Mathematics** or equivalent



Type of Assessment

20% Science Inquiry Portfolio
40% Test
40% Examination



Year of Study

Year 11



Costs

Unit Cost \$35