



Course Information

Sciences Physics | PHY

 ATAR

A2PHY

Unit 2 Waves, nuclear and electrical physics

Students investigate common wave phenomena in various media. They apply the nuclear model of the atom to investigate radioactivity and learn how nuclear reactions convert mass into energy. Students examine the movement of electrical charge in circuits and use this to analyse, explain and predict electrical phenomena.

Students develop skills in interpreting, constructing, and using a range of mathematical and symbolic representations to describe, explain and predict energy transfers and transformations and develop their inquiry skills through primary and secondary investigations including analysing wave behaviours and interactions, radioactive decay and a range of simple electrical circuits.



Prerequisites

Minimum **C Grade** in
Unit 1 or equivalent.



Type of Assessment

20% Science Inquiry Portfolio
40% Test
40% Examination



Year of Study

Year 11



Costs

Unit Cost \$35