

Queen Margaret College
Year 12 Physics Programme 2019
Level 7 of the New Zealand Curriculum

Standard Number	Achievement Standard Title	Credits	Internal / External	Proposed assessment date
AS91168, 2.1	Carry out a practical physics investigation that leads to a non-linear mathematical relationship.	4	Internal	Wednesday, 5 June
AS91170, 2.3	Demonstrate understanding of wave phenomenon.	4	External	End of Year Examination
AS91171, 2.4	Demonstrate understanding of mechanics.	6	External	End of Year Examination
AS91173, 2.6	Demonstrate understanding of electricity and electromagnetism.	6	External	End of Year Examination

- Assessment dates may be subject to slight variation

Course details

In Year 12 Physics, students develop their understanding of a range of concepts and how these are applied. During the Waves unit, students study the behaviour and properties of waves in different media, including a detailed study of geometric optics as applied to lenses and mirrors. Direct Current electricity, Electric Fields and Electro-Magnetism forms the basis of the Electricity unit. While Mechanics is concerned with the principles of moving objects. Internal Achievement Standard 2.1 introduces the students to the process of finding a mathematical relationship from a practical experiment. The optional Internal Achievement Standard 2.2 allows students to explore the application of concepts to a real-world context.

Course Information

- Students are issued with a workbook which will be charged to the student's account
- 2019 teacher is Miss Jessica Síacci

Homework expectations

Your daughter should be learning at home for a total of at least 15 hours per week, across all subjects.

To achieve at a high level in this subject, students are expected to complete some homework during the week. Homework might include:

- Completing any unfinished classwork
- Completing homework assignments.
- Going over classwork to identify any gaps in understanding which should be raised with the teacher in the following lesson.