

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 2 Physics

Time Allocation

This unit of work will consist of approximately 100 hours of which at least 50 hours will be class time. **To complete this unit of work satisfactorily, students must complete each of the following learning outcomes.**

Learning Outcomes

Outcome 1

On completion of this unit the student should be able to investigate, analyse and mathematically model the motion of particles and bodies.

Outcome 2

On completion of this unit the student should be able to explain various observations of the physical world.

Outcome 3

On completion of this unit the student should be able to design and undertake an investigation of a physics that extends their current understanding of key knowledge. Students will relate to the scientific inquiry processes of data collection and analysis, and draw conclusions based on evidence from data collected using experimental procedure.

Assessment Tasks

1. Unit tests

Single period unit tests on Motion, Light and Sustainable Energy.

Weighting: This task is worth 40% of the overall grade **Time allocated to task:** 1 period each

Due: end of each topic

2. Practical reports

Practical activities are done, on average, once per week. 80% submission is required for this outcome in line with attendance requirements.

Weighting: This task is worth 20% of the overall grade **Time allocated to task:** 1 period

Due: Weekly

3. Homework sheets / chapter questions

Homework tasks are set, on average, weekly. 100% submission is required. Students are responsible for sourcing work they miss due to absence.

Weighting: This task is worth 20% of the overall grade **Time allocated to task:** 1 period

Due: Weekly

4. Semester Examination

Internal VCAA styled examination

Weighting: This task is worth 20% of the overall grade **Time allocated to task:** 90 minutes

Due: Term 4, Week 7