

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 2 Chemistry

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 relate the properties of water to its structure and bonding, and explain the importance of the properties and reactions of water in selected contexts.

Outcome 2 On completion of this unit the student should be able to measure amounts of dissolved substances in water and analyse water samples for salts, organic compounds and acids and bases.

Outcome 3 On completion of this unit the student should be able to design and undertake a quantitative laboratory investigation related to water quality, and draw conclusions based on evidence from collected data.

Assessment Tasks

1. Practical investigation on water quality analysis requiring a **written report**.

Weighting: This task is worth 15% of the overall grade.

Due: Term 1, Week 10

3. Topic Tests on the properties of water, reactions with it and water quality analysis.

Weighting: The combined total of these two tasks is worth 30% of the overall grade.

Due: Term 1 Week 5 and Term 2 Week 4

4. Student Designed Investigation (Outcome 3)

Students will be required to design and conduct a practical investigation into an aspect of water quality. They will develop a question, plan a course of action, undertake an investigation, collect and interpret data and reach a conclusion.

Weighting: This task is worth 15% of the overall grade.

Time allocated to task: 4 periods

Due: Term 4 Week 5 and 6

5. Semester Examination

Weighting: This task is worth 40% of the overall grade.

Due: Term 4 Week 7

***Dates are an approximation and may vary slightly.**