

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 4 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

The student should be able to compare the structures and reactions of the major organic compounds, deduce structures using analysis data and design reaction pathways for the synthesis of organic molecules.

Outcome 2

The student should be able to distinguish between chemical structures of key food molecules, analysis reactions involved in the metabolism of food including the role of enzymes and calculate the energy content of food.

Assessment Tasks

1 Response to a set of structured questions related to organic pathways

The student is required to complete a report on organic pathways to design pathways to synthesis specific organic molecules.

Weighting: This is worth 4% of the overall grade

Time allocated to task: 1 period

Due: Term 3, Week 4

2 An analyse of data to determine the structure of an organic molecule

The student is required to complete questions and determine the structure a specific organic molecule.

Weighting: This is worth 4% of the overall grade

Time allocated to task: 1 period

Due: Term 3, Week 6

3 Experimental Investigation

The student is required to complete laboratory activities related to food and complete a report on their results.

Weighting: This is worth 8% of the overall grade

Time allocated to task: 2 periods

Due: Term 3, Week 10

4 Semester Examination

The student is required to apply knowledge and understanding of Outcomes 1, 2 and 3 for Units 3 & 4

Weighting: This task is worth 60% of the overall grade

Time allocated to task: 150 mins.

Due: Unit 4 VCAA Examinations commence Term 4, Week 4 from 1/11/2017

