

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 3 Biology

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 explain the dynamic nature of the cell in terms of key cellular processes including regulation, photosynthesis and cellular respiration, and analyse factors that affect the rate of biochemical reactions.

Outcome 2

On completion of this unit the student should be able to apply a stimulus-response model to explain how cells communicate with each other, outline human responses to invading pathogens, distinguish between the different ways that immunity may be acquired, and explain how malfunctions of the immune system cause disease.

Assessment Tasks

1. A report related to at least two practical activities from a practical logbook.

The student is required to write a report based on experiments investigating key cellular processes.

Weighting: This task is worth 8% of the overall grade

Time allocated to task: 4 periods

Due: Term 1, Week 8

2. A summary report of a practical activity related to bacterial response to chemical stimuli.

The student is required to respond to a set of structured questions, and complete a data analysis task. These tasks focus on cellular communication and immune responses.

Weighting: This task is worth 8% of the overall grade

Time allocated to task: 2 periods

Due: Term 2, Week 6

School-assessed Coursework for Unit 3 will contribute 16% to the study score.

The level of achievement for Units 3 and 4 is also assessed by an end-of-year examination, which will contribute 60% to the study score.