

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 2 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. A detailed timetable listing period and work requirements for each term will be provided at the start of the term.

Learning Outcomes

Outcome 1

On completion of this unit the student should be able to compare the advantages and disadvantages of asexual and sexual reproduction, explain how changes within the cell cycle may have an impact on cellular or tissue system function and identify the role of stem cells in cell growth and cell differentiation and in medical therapies.

Outcome 2

On completion of this unit the student should be able to apply an understanding of genetics to describe patterns of inheritance, analyse pedigree charts, predict outcomes of genetic crosses and identify the implications of the uses of genetic screening and decision making related to inheritance.

Outcome 3

On completion of this unit the student should be able to investigate and communicate a substantiated response to a question related to an issue in genetics and/or reproductive science.

Assessment Tasks

1. Practical activities requiring a written report in a specified style.

Weighting: This task is worth 25% of the overall grade

Time allocated to task: 4 periods

Due: throughout the semester

2. Topic Tests

Weighting: This task is worth 25% of the overall grade.

Time allocated to task: 1 period for each test

Due: at the end of topics

3. Research task and presentation into an issue in genetics

Weighting: This task is worth 25% of the overall grade. **Due:** Term 4, Week 3

4. Semester Examination

The student is required to apply knowledge to explain and analyse the relationship between environmental factors, adaptations, distribution of living things and how ecosystems change over time.

Weighting: This task is worth 25% of the overall grade

Time allocated to each task: 90 mins

Due: Term 4, Week 7