

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 3 Mathematical Methods

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 define and explain key concepts as specified in the content from the areas of study, and apply a range of related mathematical routines and procedures.

Outcome 2

The student should be able to apply mathematical processes in non-routine contexts, including situations requiring problem solving, modeling or investigative techniques or approaches, and analyse and discuss these applications of mathematics.

Outcome 3

The student should be able to select and appropriately use the numerical, graphical, symbolic and statistical functions of technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modeling or investigative techniques or approaches.

Assessment Tasks

There is only one SAC for Unit 3

Application Task – Functions and Graphs, Algebra and Calculus

Students will undertake an extended mathematical investigation. The task will involve three components of increasing complexity. Each of the three outcomes will be assessed in this task.

Weighting: This task is worth 17% of the overall grade.

Time allocated to task: 3 periods

Due: Week 8 Term 2