

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 2 General Maths

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 terms and concepts from the Matrices, Bivariate data Analysis, Networks and Financial Arithmetic areas of study. They should be able to apply this knowledge to a range of related mathematical routines and procedures.

Outcome 2

The student should be able to apply mathematical facts, concepts, models and techniques involving Matrices, Bivariate Data, Networks and Financial Arithmetic. They can then analyse extended application problems in a range of contexts.

Outcome 3

The student should be able to select and use technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modeling or investigative techniques and approaches.

Assessment Tasks

1. Matrices Test & Assignment

A variety of multiple choice, short answer and analysis questions on key concepts in the Matrices unit.

Weighting: The tasks are worth 10% of the overall grade

Time allocated to task: 2 periods

Due Date: Term 2 Week 10

2. Bivariate Data Test & Assignment

A variety of multiple choice, short answer and analysis questions on key concepts in the Bivariate Data unit.

Weighting: The tasks are worth 10% of the overall grade

Time allocated to task: 2 periods

Due Date: Term 3 Week 4

3. Networks Test & Assignment

A variety of multiple choice, short answer and analysis questions on key concepts in the Networks unit.

Weighting: The tasks are worth 10% of the overall grade

Time allocated to task: 2 periods

Due Date: Term 3 Week 9

4. Financial Arithmetic Test & Assignment

A variety of multiple choice, short answer and analysis questions on key concepts in the Financial Arithmetic and Recursion number patterns.

Weighting: The tasks are worth 10% of the overall grade **Time allocated to task:** 2 periods

Due Date: Term 4 Week 3

5. SAC Analysis Task

Application and analysis of the concepts and skills based on the Bivariate Data unit using real life situations.

Weighting: This task is worth 20% of the overall grade **Time allocated to task:** 1 period

Due Date: Term 3 Week 4

6. Examination

The student is required to apply knowledge and understanding of Arithmetic, Data Analysis, Networks and Trigonometry in an end of semester examination.

Weighting: This task is worth 40% of the overall grade **Time allocated to task:** 90 minutes

Due: Term 4, Week 7

Assessment

Topics 40%

SAC 20%

Exam 40%