

Ringwood Secondary College
2017 Course Planning Document

VCE Unit 1 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 Arithmetic, Univariate data, Algebra and Measurement areas of study 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 Arithmetic, Univariate data, Algebra and Measurement areas of study. 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. Arithmetic Test & Assignment

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

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

Time allocated to task: 2 periods

Due: Term 1 Week 3

2. Shape and Measurement Test & Assignment

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

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

Time allocated to task: 2 periods

Due: Term 1 Week 7

3. Linear Equations Test & Assignment

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

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

Time allocated to task: 2 periods

Due: Term 2 Week 2

4. Univariate Data Test & Assignment

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

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

Time allocated to task: 2 periods

Due: Term 2 Week 6

(* For each Topic, final assessment is comprised of: 30% HW Assignment, 70% Topic Test)

5. SAC Analysis Task

Application and analysis of the concepts and skills based on the Shape and Measurement unit and real life situations.

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

Due: Term 1 Week 8

6. Examination

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

Weighting: This task is worth 40% of the overall grade

Time allocated to task: 90 minutes

Due: Term 2, Week 9

OVERALL UNIT GRADE

4 Topics 40%

SAC 20%

Exam 40%