

## GENERAL MATHEMATICS

General Mathematics has been established as a basis for further education and employment in the fields of business, commerce, education, finance, IT, social science and the arts.



## Our Mission

To develop inspired, innovative and resilient learners prepared to challenge the future.

# General Mathematics

**General Subject  
Senior Program 11-12**



## GENERAL MATHEMATICS

General Mathematics is designed for students who want to extend their mathematical skills beyond Year 10 but whose future studies or employment pathways do not require calculus.

Students who undertake General Mathematics need a firm understanding and confidence working with Algebra.

### Prerequisite

To choose General Mathematics students must have either a:

- C or higher in Core Mathematics
- D or higher in Maths Extension

## TOPICS

Topics within the General Mathematics have been designed to help students build on and further develop key mathematical ideas, including rates and percentages, financial mathematics

### Unit 1 and 2 Topics Include

Unit 1	Unit 2
Money, measurement and relations	Applied trigonometry, algebra, matrices and univariate data
<ul style="list-style-type: none"> <li>- Consumer arithmetic</li> <li>- Shape and measurement</li> <li>- Linear equations and their graphs</li> </ul>	<ul style="list-style-type: none"> <li>- Applications of trigonometry</li> <li>- Algebra and matrices</li> <li>- Univariate data analysis</li> </ul>

### Unit 3 and 4 Topics Include

Unit 3	Unit 4
Bivariate data, sequences and change, and Earth geometry	Investing and networking
<ul style="list-style-type: none"> <li>- Bivariate data analysis</li> <li>- Time series analysis</li> <li>- Growth and decay in sequences</li> <li>- Earth geometry and time zones</li> </ul>	<ul style="list-style-type: none"> <li>- Loans, investments and annuities</li> <li>- Graphs and networks</li> <li>- Networks and decision mathematics</li> </ul>

For successful completion of General Mathematics students need to undertake in External Examination at the end of their final year of study that is weighted at 50% of their overall grade.

## ASSESSMENT

The topics within Unit 1 and 2 will be assessed through formative assessment items. These items mirror the assessments seen in Units 3 and 4.

### Unit 3

Problem Solving and Modelling Task	20%
Examination	15%

### Unit 4

Examination	15%
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### Unit 3 & 4

External Examination	50%
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