

# VCE General Maths

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**Seymour**  
College

# Why choose General Mathematics?

## Universal, real world application

General Mathematics develops skills which:

- Enable you to critically analyse, interpret and represent data
- Give you an understanding of bank accounts and loans
- Give you an understanding of the use of Matrices in real life applications
- Gives you an understanding of the use of Networks

# Course overview

## ***Unit 1 and 2 : General Maths***

**Data analysis, probability and statistics:** Covers different types of data and displays, comparison of sets of data and summary statistics

**Algebra, number and structure:** Covers sequences and financial applications.

**Functions relations and graphs:** Covers modelling Linear functions and graphs.

**Discrete mathematics:** Covers matrices including population growth and decay. Covers networks to model connectedness and shortest path.

***Space and measurement:*** Covers measurement, trigonometry and Pythagoras and their applications.

## Course overview:

### ***Unit 3 and 4: General Maths***

**Data analysis:** Covers a range of methods to categorise, analyse, present and interpret data sets.

**Discrete mathematics:** Involves basic financial concepts, including interest, depreciation, annuities and perpetuities.

Covers matrices and their operations, using matrices to model and solve related problems.

Involves the definition and representation of networks and directed graphs. Networks are used to solve problems involving travel, connection, flow, allocation and scheduling.

## Assessment:

### School Assessed Coursework:

#### *Unit 3:*

- An application task assessing Data analysis .
- A problem-solving task assessing Recursion and financial modelling

#### *Unit 4:*

- A problem-solving task assessing Matrices
- A problem-solving task assessing Networks and decision mathematics.

### Exams:

- Exam 1 consists of 40 multiple choice questions (90 minutes)
- Exam 2 consists of 60 marks worth of short answer questions (90minutes)

## Some things to think about:

- If you are a capable Maths student and enjoy the subject, General Maths is a great choice if you are planning on completing a Unit 3 & 4 subject in Year 11.
- Remember, hard work is always rewarded and if you are organized, prepared and dedicated you could achieve an excellent result.
- Don't be tricked into thinking General Maths is an 'easy' subject and you can get 'easy' high score. This is definitely not the case!