



# General / Further Mathematics

## Description - General Mathematics Unit 1 & 2

*This is a course of value to students who may or may not proceed to higher mathematics study. This course offers some flexibility, and is a good preparation for Further Mathematics Units 3&4.*

*The areas of study for General Mathematics Unit 1 and Unit 2 are 'Algebra and structure', 'Arithmetic and number', 'Discrete mathematics', 'Geometry, measurement and trigonometry', 'Graphs of linear and non-linear relations' and 'Statistics'.*

## Description - Further Mathematics Unit 3 & 4

*Further Mathematics consists of two areas of study. In Unit 3 there is a compulsory core area of study to be completed, consisting of data analysis, and recursion and financial modelling. In Unit 4, the applications area of study requires completion of two of the following modules: Matrices, Networks and decision mathematics, Geometry and measurement and Graphs and relations.*

## Unit Topics

**Unit 1 - General Maths**

**Unit 2 - General Maths**

**Unit 3 - Further Maths**

**Unit 4 - Further Maths**

## Skill Development

*The aim is for students to develop the ability to apply mathematical principles to real life problems. This will include the development of topic specific skills for the topics covered in each of these subjects, as well as mathematical reasoning, estimation, problem solving, and the use of technology.*

## Possible Assessment Tasks

*Typical Assessment tasks for each of these subjects would include tests, and assignments that would investigate some application of the skills developed in the topics covered. Appropriate use of technology in both tests and assignments also contributes to successfully completing each unit.*

## Activities/Camps/Excursions

*Arithmetic, problem solving, project work, tests, and assignments.*

## Career Options

*Building, Trades, Business, Nursing, Primary Education- most careers require a level of maths competency.*