



# Mathematical Methods

## Description

*Mathematical Methods introduces students to more advanced mathematical concepts and how these can be applied to real life situations.*

## Unit Topics

**Unit 1 - Mathematical Methods Units 1**

**Unit 2 - Mathematical Methods Units 2**

**Unit 3 - Mathematical Methods Units 3**

**Unit 4 - Mathematical Methods Units 4**

## Skill Development

*Students develop the ability to apply mathematical principles to real life problems. This will include the development of topic specific skills, mathematical reasoning, estimation, problem solving, and the use of technology.*

## Possible Assessment Tasks

*Typical Assessment tasks 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

*Study of simple elementary functions such as linear and quadratic equations, trigonometry, calculus, probability and statistics, and their applications in a variety of practical and theoretical contexts.*

## Career Options

*Mathematical Methods is highly recommended for students considering future studies in Engineering, Sciences, Information Technology, Business, Law and Medicine related courses. It is a prerequisite VCE subject for a number of these Tertiary courses.*