



# Core Mathematics

## Description

*The aim is to develop an understanding of mathematical concepts and apply skills to solve mathematical problems. Students should be able to demonstrate the skills necessary for employment or further study.*

*Students who achieve satisfactory results in one or both semesters of Year 9 Maths may elect to do this course. The course will lead to VCE Unit 1&2 General Maths. The course could also lead to VCE Units 1 & 2 Mathematical Methods (CAS) in Year 11. However, those wishing to pursue this path would be advised to choose Advanced Maths for Year 10 as the best preparation.*

## Unit Topics

*Units studied will include topics chosen from the following:*

- *Chance and Probability*
- *Geometry and Measurement*
- *Linear and Quadratic graphs and modelling*
- *Percentages, money and budgeting – Trigonometry*
- *Computational skills*
- *Use of tables, charts and graphs*
- *Collecting and analysing data*
- *Quadratic expansions and factorisations*
  - *Problem Solving*
- *Using Technology*
- *Other topics as needed*

## Skill Development

*Build on Year 9 course with an emphasis on practical applications of mathematics in areas of finance, measurement and data analysis.*

## Possible Assessment Tasks

*Tests, projects and assignments.*

## Activities/Camps/Excursions

*Coding, problem solving, real-life tasks.*

## Career Options

*Business and Education, Trades, Nursing and Allied Health.*