

## General Enquiries

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MARPLE  
SIXTH FORM  
COLLEGE

## Further Mathematics A Level

<b>Location</b>	Marple
<b>Full/Part time</b>	Full-Time
<b>Department</b>	A Levels

### Course Overview

**Further Maths is an additional A-Level which you can choose to take as well as A-Level Maths. It covers mathematical concepts and tools which are not included in A-Level Maths, but are used widely in Physics & Engineering courses at university, and introduced quickly at the start of a Mathematics degree, such as matrices and complex numbers.**

**It introduces topics which form the basis of the study of pure mathematics at university. It provides far more depth to your study of mechanics and introduces you to Discrete Maths.**

### Course Start Date

**04/09/2023**

### Course Duration

**Full-Time - 2 Years**

### Course Requirements

**General entry requirements for our A Levels include 5 GCSEs grade 5 or above, including English Language. For Further Maths a grade 7 in GCSE Maths is required. You will also need to be studying A-Level Maths. Further Maths is taken as a 4th A Level subject.**

### Course Skills & Benefits

**If you want to study for a Maths degree at University then Further Maths is invaluable, as you will otherwise lack familiarity with certain core concepts when you begin your degree.**

**Studying Further Maths A-Level begins your journey as a rounded Mathematician who enjoys the challenge**

represented by advanced mathematics. You should also strongly consider Further Maths if you want to study Physics or Engineering at a Russell Group University.

**How will I learn?** Lessons are usually teacher led and could involve investigation, discussion, group work and working on examples. You will use textbooks and supplementary worksheets to support your learning.

## **Mandatory Units**

Further Maths is an additional A-Level which you can choose to take as well as A-Level Maths. It covers mathematical concepts and tools which are not included in A-Level Maths, but are used widely in Physics & Engineering courses at university, and introduced quickly at the start of a Mathematics degree, such as matrices and complex numbers. It introduces topics which form the basis of the study of pure mathematics at university, provides far more depth to your study of mechanics and introduces you to discrete maths.

## **Optional Units**

N/A

## **Course Progression**

You could progress to a related higher education course such as maths, business, accountancy, science, computing, engineering or economics. There are lots of careers open to you such as aeronautical engineer, biochemist, veterinarian or chemical engineer.

## **Course Assessment**

Pure Maths makes up two thirds of the A-level and Applied Maths makes up one third (one sixth on Mechanics and one sixth on Discrete). The final exams consist of three two-hour papers.

**Paper 1: 100% Pure**

**Paper 2: 100% Pure**

**Paper 3 50% Mechanics, 50% Discrete**

## **Course Finance**

This further education course is free for all 16-18 year olds who are a resident in the UK and the European Economic Area or have been for the last 3 years. You must be under 19 years old on 31st August in the calendar year you start your course.