

# MATHEMATICS A-LEVEL

For more information please see Mr Smith or Mr Sipple

## For whom is this course suitable?

Students studying mathematics at advanced level will have achieved at least grade 6 in mathematics GCSE. A willingness to work hard is also expected and you will be expected to be proactive in seeking help if or when problems arise.

For more information, watch the clip at [www.youtube.com/watch?v=H8949JOk6Jc](http://www.youtube.com/watch?v=H8949JOk6Jc)

## What will I learn on this course?

This course is a two-year linear course.

Few areas of human activity have not been touched by Mathematics. The ability to analyse, plan, predict and generally make sense of numbers and space has underpinned our technological advances. Furthermore, doing mathematics is fun; strange but true.

The course is comprised of a combination of Pure Mathematics and Applied Mathematics. Pure Mathematics expands on the algebra and trigonometry studies at GCSE. Applied Mathematics is Statistics and Mechanics.

## What could I do at the end of my course?

A level Mathematics is highly regarded by employers and universities as evidence of the ability to think logically, analytically and precisely. It is obviously necessary for degrees in Mathematics or Engineering, but is also useful for Accountancy, Finance and most Science and Computing courses and highly sought after for Law degrees. The Statistics module will be very beneficial for anyone going on to study subjects such as Geography, Sociology, Biology or Psychology, which involve analysing data.

National research suggests that students who have successfully studied Mathematics at A level regularly receive significantly higher salaries than their peers do. Mathematics is useful, pays well and is interesting... What more could you want?

## How is the course examined?

A Level Mathematics will be assessed by three exams at the end of the second year of study. These exams will focus on Core (Pure) Mathematics, Statistics and Mechanics.

At Montsaye we use the OCR(MEI) syllabus for A level Mathematics.

## Which degree courses require A level mathematics?

Take a look at the website

<https://www.mathscareers.org.uk/article/degree-courses-a-level-mathematics/>