



## Subject Information

# A Level Maths

The A Level Mathematics course aims to develop mathematical knowledge, concepts, processes and skills in a variety of contexts so that students appreciate the relationships between the various areas of mathematics and can apply them using models of physical situations (e.g. in statistics and mechanics).

This is a two-year course, two thirds being pure mathematics and one third applied mathematics (mechanics and statistics). The pure mathematics content builds on algebra and problem solving from GCSE. Statistics allows students to analyse data and interpret probabilities. Mechanics is a branch of mathematics that deals with forces and motion. All students study both of the applied topics, statistics and mechanics.



### Entry requirements:

Minimum Grade 6 at GCSE Mathematics. The work students did for that qualification is the bedrock of the work they will see at A level, especially in algebra. But of course there will be new material and ideas, perfect for students who have an enquiring, logical and analytical mind. Working with proof and justifying results help students to formulate reasoned arguments and, importantly, they will have excellent numeracy skills and the ability to process and interpret data.

### Course structure:

There are three papers, equally weighted and each worth 100 marks. Exams are 2 hours long. The qualification is linear. This means that students will sit all of their exams at the end of the course.

### Location:

Cinderford Campus



### This course prepares you for a career in:

A Level Maths underpins a wide range of careers and opens many doors to further study at university or employment. As well as accountancy, banking and finance, Maths skills are required in careers involving ICT, Engineering, Science, Construction and Management. Follow this link to find out more about Maths careers:

<https://www.ucas.com/job-subjects/maths>



To enquire about this course, email [sixthform@denemagna.co.uk](mailto:sixthform@denemagna.co.uk)