# A Level Mathematics

Course Details and Assessment

Maths teaches you to think logically and systematically to solve problems (not just maths problems). When you solve a maths problem, you have to define your terms and the assumptions you're making. This methodical approach is transferrable, for instance, to the kind of research you might do if you study a social sciences degree at university.

Being able to tackle a complex question and break down your thinking into logical steps is the essence of solving a maths problem and of constructing a logical argument in answer to an essay question! The two tasks are different, of course: they require different sets of complementary skills, and their answers are expressed in different language. But there is enough overlap between the fundamental structured thinking skills required that a grounding in one skillset can bring helpful insights to the other.

At Deyes we are currently following the AQA specification. The A level is linear which means that all exams are taken at the end of year 2.
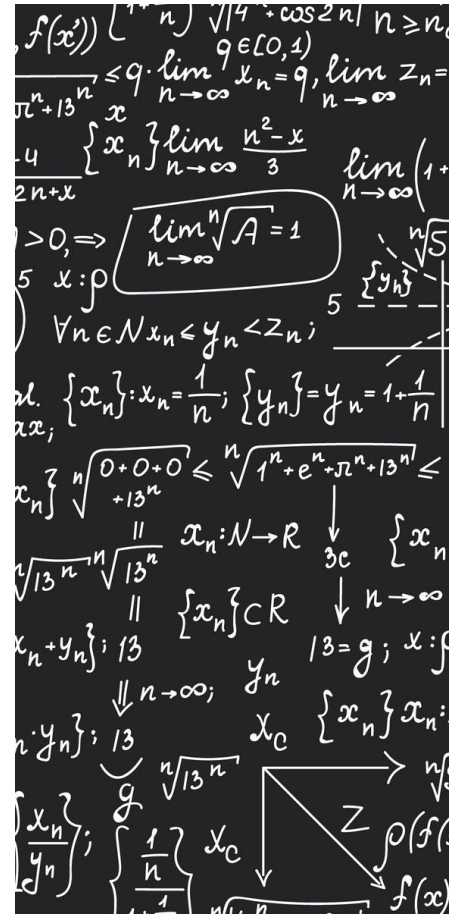
How is the course assessed?

Year One

All students will sit a mock exam in the summer term of year 12

Grading - A* - E

Year Two

Paper 1 - A Level - 2 hours
Pure Maths (100 Marks)
100 Marks in total

Paper 2 - A Level - 2 hours
Pure Maths (50 Marks)
Mechanics (50 Marks)
100 Marks in total

Paper 3 - A Level - 2 Hours
Pure Maths (50 Marks)
Statistics (50 Marks)
100 Marks in total.

Grading - A* - E

"Maths opens up so many doors and will definitely improve your future."

A Level Mathematics

Where can A Level Mathematics lead me?

Mathematics A-level is essential for study in Mathematics and Engineering courses and strongly underpins other areas such as Science, Economics, Business, Finance, Psychology, Teaching, Games Design, Architecture, Communications, Forensics and Internet Security to name but a few.

Possible careers include

Finance - Accountancy - Civil Service - Architecture

Business - Engineer - Economist - Teacher - Forensics

What key skills do I need?

Studying Mathematics will keep developing key employability skills such as:

- Problem-solving
- Logical reasoning
- Communication

Maths supports the study of other A Level subjects and provides excellent preparation for a range of university courses.
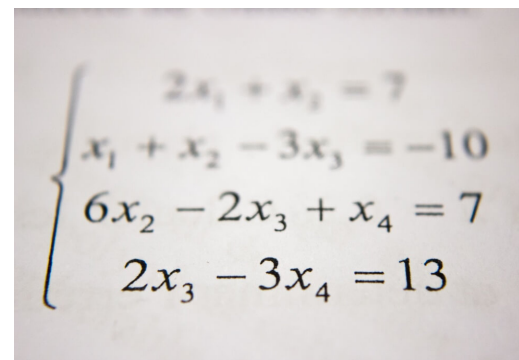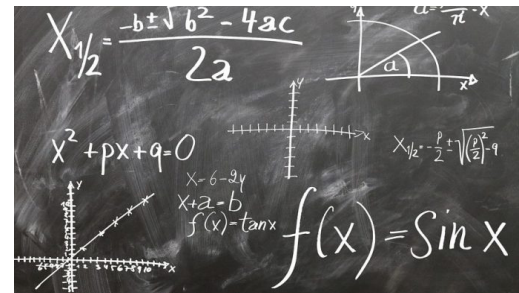
Entry Requirements

To be able to study A Level Mathematics, you must achieve:
- Grade 7 or above in GCSE Mathematics together with strong algebra and problem solving skills.

Exam Board

AQA

Still got questions?

Speak to Mrs Frank for more information

A.Frank@deyeshigh.co.uk