

Mathematics: A-level (Awarding Body OCR)

ENTRY REQUIREMENTS

A typical student studying A-level Maths will have attained a Grade 7 or above in their GCSE Maths. We also have some students taking the course having attained a Grade 6 in their GCSE and we strive to put in place a suitable support programme with such students before the start of the course in September

CONTENT

First Year

In Year 1 we aim to cover all the necessary work by the beginning of May. This makes up 40% of the work required for the full course.

We look again at some of the new topics from Year 11 and study them in greater depth. This includes the greater focus on Algebra to increase students' confidence in this area.

We also introduce the new area of Calculus which deals with gradients of curves within the bigger topic of rates of change.

Second Year

Year 2 begins before the summer break. The remaining 60% of the work must be covered before the two exam papers at the end of the course.

We develop further the ideas started in Year 1 and work on them in greater depth.

In both years students also work on their Applied Maths by studying areas of Statistics and Mechanics.

PROGRESSION

The aim of the course is for students to attain high grades in a course that will give them a skill-set that more than prepares them for the challenges faced both in industry and further education.

A good grade in A-level Maths is one of the most-useful qualifications when choosing options beyond Sixth Form.

GENERAL COMMENTS

A-level Maths is desired by the widest range of employers and by those in Further Education. "Demand for jobs with Science, Engineering and Technology skills is set to grow by 2.4 million and all these jobs require Maths skills. Highly numerate disciplines are in great demand from employers and young people with Maths qualifications will find that their degrees can open doors to exciting and rewarding careers."

Susan Anderson, Director HR Policy: CBI.



For me, like many others, A-level Maths was the logical next step from GCSE.

As it is such an important qualification for so many different options in higher education, I was glad the jump to A-level was such a smooth one, thanks to the excellent teaching and great support of the staff.



Smaller class sizes and the Sixth Form community help students overcome any struggles with the subject and Maths catch-up creates a nice safety net.

It works very well with other A-levels such as Further Mathematics, Physics and Music and it has certainly helped to develop my problem-solving skills and logical thinking.

ADAM DIXON