Mathematics

A Level

Entry Requirements

Grade 6 in GCSE Mathematics **and**

Grade 4 in GCSE English Language **or** GCSE English Literature

Course Overview

A level Mathematics enables you to develop your understanding of topics already seen at GCSE, at the same time as introducing you to new areas such as calculus and logarithms. Mathematics A Level will help you think logically, analyse data and express yourself clearly. These are valuable, transferrable skills which are highly prized by universities and employers across every field.

Mathematics should be chosen by those students with a love of Maths and problem solving. Whilst there is no course work element students are required to use technology to analyse and interpret data. It is a challenging yet rewarding subject, which is led by excellent teachers who support and challenge students through the two years.

Exam Information

Duration: 1 year AS or 2 years A Level   Exam Board: Edexcel   Contact: Mr Perkins

Year 1:   Pure Mathematics 1
                   Statistics and Mechanics
Year 2:   Pure Mathematics 1
                   Pure Mathematics 2
                   Statistics and Mechanics

Qualification Gained

AS Level in year 1
A Level in year 2 - In order to progress onto the 2nd year students must achieve a grade D at AS Level.

Career Opportunities

There is a national shortage of people with mathematical skills and A Level Mathematics will equip you with the necessary skills to cope with numerous jobs and higher education courses. Mathematical skills and qualifications are useful in career areas including scientific, technical, financial and managerial roles as well as in education and the civil service. In addition, many subjects in higher education involve Mathematics as an essential part of the course, particularly in the sciences, finance and economics but also in courses such as geography, sports science and psychology.

"Pupils who take maths at A Level receive an 11 per cent premium on their salary by the time they are 34 years old." (Research from the University of Nottingham, published in BERJ, Feb 2016)

Subject Links

Mathematics is regarded as a facilitating subject by Universities as it supports many other subjects at both degree and A Level, including Physics, Chemistry and Biology, ICT, Engineering & Economics.