

A Level Mathematics

Examination board & syllabus: Pearson Edexcel

Minimum Entry Requirements: GCSE Maths Grade 6

Course Outline:

A Level Maths covers new topics and extends those introduced at GCSE. There is a strong algebra content and so students will need to practise their algebraic skills over the summer holiday before starting the course. The pure strand of the course introduces and then develops the topic of calculus to more fully understand the properties of mathematical functions. The statistics part of the course covers the areas of statistical measures, statistical charts and probability. The mechanics component deals with the mathematics of moving objects, concentrating on kinematics, forces and Newton's laws.

Assessment:

The course is linear with the examinations that contribute to grades completed at the end of Year 13.

Topic tests and mock exams are set at appropriate intervals to allow diagnostic assessment of students' progress.

Equipment required / Approx Cost:

New copies of the Year 12 text books cost approximately £30. A scientific calculator capable of statistical distribution functions is required for the course.

Independent Study Tips:

Regular lunchtime sessions are available for extra support. There are online resources available for independent study. We recommend 5 hours per week independent study in total.

Higher Education Progression:

A Level Maths is essential for Maths degrees and is very useful for all Maths and Science degrees. It is rated highly by top universities.

Career Opportunities:

An A level in Maths is seen as a useful qualification in most, if not all professions.

Useful Website:

[pearson.com](https://www.pearson.com)