

Mathematics

A-Level Edexcel

The Course

The breadth of mathematical applications is immense. It underpins most of science, technology and engineering and is also important in areas as diverse as business, law, nutrition, sports science and psychology. Areas of study:

- Pure Mathematics (algebra, trigonometry, calculus, differential equations, coordinate geometry and vectors)
- Statistics (probability, conditional probability, histograms, statistical distributions and hypothesis testing)
- Mechanics (including kinematics, Newton's laws, motion under gravity, projectiles, friction and moments)

Assessment

There are three written examinations for the A-Level courses, all of which are two hours long.

Two papers cover pure mathematics, whilst one covers the applied topics (statistics and mechanics).

Entry Requirements

A-Level entry requirements plus:

- Grade 7+ in GCSE Mathematics.

Careers & Higher Education

Mathematicians are highly sought after by both employers and universities. Mathematics students have the ability to solve problems and develop skills which are highly desirable in the modern workplace.

"Mathematics is the most beautiful and most powerful creation of the human spirit."

Stefan Banach

