Mathematics

Exam Board Edexcel
Qualification A-level
Entry Requirements Grade 7 in Maths

Content

All of the content in the A-level Mathematics qualification is compulsory and is the same for all examination boards. Two-thirds of the course content is Pure Mathematics (methods and techniques which underpin the study of all other areas of mathematics, such as proof, algebra, trigonometry, calculus and vectors). The remaining one-third of the content is applied mathematics and is split equally between Statistics and Mechanics. All topics are taught across both the AS and A-level qualification. Although we do not enter students for the AS examination, AS content is taught during Year 12 and then built on with A-level content in Year 13.

Assessment

The course is assessed at the end of Year 13.

Paper 1 ($33^1/3\%$) – Pure Mathematics 1; 2 hours

Paper 2 ($33^1/3\%$) – Pure Mathematics 2; 2 hours

Paper 3 ($33^1/3\%$) – Statistics & Mechanics; 2 hours

Career Prospects

Taking Mathematics will help you with other subjects; all sciences use mathematical techniques so studying Maths will give you a head start. A lot of other subjects use statistics, so again, studying Maths will give you an advantage. Even in essay-based subjects like History, maths can be useful. It teaches you to think in a logical way, something which is vital when putting across a coherent logical argument.
Careers which lead on from Mathematics are often well paid and they are also often very interesting. People who have studied Mathematics are in a fortunate position because they will have a good choice of career opportunities. Finance, computing, engineering, statistics, business and teaching are only a sample of possible careers. The main message is that you can do anything with Maths.