Further Maths

Awarding Body: Edexcel

Level: AS/A-Level

Introduction

Further Mathematics is highly suitable for those students who have performed particularly well at Maths GCSE (ideally grade 8/9), enjoy the subject and are committed to learning new concepts. Students can opt to study Further Mathematics at AS level by following a one year extended pathway course. **All Further Mathematicians must also study A-level Mathematics.** Universities look upon Further Mathematics favourably and consider it to be excellent preparation for many maths related courses and future careers.

Year one / AS content

Half of this year of study comprises Core Pure Mathematics and the remaining half is given to two applied components, namely Further Statistics, Further Mechanics or Decision Maths. The topics are more demanding than the 'straight' mathematics topics, including new concepts such as matrices and complex numbers.

For those wishing to study at AS level only, there are 2 equally weighted written exams to be sat in the May/June exam series. A calculator may be used in both assessments. The first paper covers the Core Pure content. The second paper covers both applied modules studied.

Year two content

At A-Level the subject develops still further, and students continue to study Core Pure, and the same two applied components chosen in Year 1.

The A-Level consists of 4 equally weighted written exams, all of which will be taken in the May/June exam series of the second year of teaching – Core Pure 1; Core Pure 2; and two of Further Statistics 1, Further Mechanics 1 or Decision 1. Calculators can be used in all assessments.

Entry requirement

At least a grade 7 in Mathematics.

Career and further study

Students who study A-Level Further Maths may go on to study degree courses in Mathematics, Economics, Accounting, Physics, Business Studies, Computer Sciences and Mechanical Engineering, to name just a few. Potential career opportunities are extremely widespread - from Business and Finance through to Therapy Professionals!

Costs

You are expected to purchase your own textbooks and will already have a suitable graphics/scientific calculator used in straight Mathematics.