Further Maths A level

Hertswood

Why take this subject?

Further Mathematics gives the most able mathematicians the opportunity to both study some new topics that are neither in GCSE nor in normal A-level Mathematics and to study some A-Level topics in more depth. It is invaluable for anyone wishing to study a mathematics-based subject at University.

We offer both AS and A-level Further Mathematics. Students who opt for the former will finish the course at the end of Year 12. Students who wish to continue will carry on and take the full A-level exam at the end of Year 13. This is considerably more difficult, but also more interesting, complete, rewarding, and sought-after especially for STEM university courses and by employers.

Besides, whereas normal Maths is interesting, Further Maths is very cool. Very cool indeed.

What do I need to have studied in year 11?

- You must have at least 5 GCSES at grades 9-5 including English and Maths
- At least a Grade 8 in GCSE Mathematics

What will we study?

The course is divided into three areas: Core Pure, Further Pure and Further Statistics. Topics include complex numbers, matrices, linear transformations, further calculus, limits, 3D vectors, volumes of revolution.

How will I be examined?

Unit	Assessment	Weighting
Core Pure	Two papers (75 marks each)	50%
Further Pure	One paper (75 marks)	25%
Further Statistics	One paper (75 marks)	25%

What super curricular opportunities will be available to me?

Starting this year we are planning trips to lectures. We are also planning to invite external speakers. Seminars on undergraduate-level topics may also be available. Preparation for university admission tests is also available.

What can this subject lead to?

A significant (and growing) number of universities now require at least AS Further Maths as an entry requirement for their mathematics courses. Some require it for other courses including Physics, Computer Science and Engineering. Many other universities have lower standard offers for students that have studied Further Mathematics.

Subject Specification

https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-further-mathematics-specification.pdf