FURTHER MATHEMATICS

SPECIAL COMMENT ON ENTRY REQUIREMENTS:
A minimum of grade 8 in GCSE Mathematics along with 7.5+ APS and grade 4 in English language or literature. A level Further Maths must be your fourth A level (Except in exceptional circumstances which is agreed by Maths department if it is a third A level). You must also have selected A Level Mathematics to study Further Mathematics.

DETAILS OF COURSE

In addition to the Pure and Applied units covered in Mathematics A level, you will further cover Core Pure Mathematics 1 & 2 which comprise 50% of the course and are compulsory.

The course then has 2 optional units (25% each). We can select to study Further Mechanics, Further Statistics, Further Pure 3 or Decision Mathematics. This choice will be made by the Maths department. Each of the 4 units will be tested for 1 hour 30 minutes and carry the same weight.

There are many good reasons for you take Further Mathematics:
• Students taking Further Mathematics overwhelmingly find it to be an enjoyable, rewarding, stimulating and empowering experience.
• For someone who enjoys mathematics it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts.
• It enables you to distinguish yourself as an able mathematician in the university and employment market.
• It will make the transition to a mathematics-related university course easier.
• An increasing number of the top universities now expect it for entry to Mathematics-related courses.

Any student who is planning to take a Mathematics-related degree (this covers a very wide range of academic areas - Engineering, Sciences, Computing, Finance/Economics, etc., as well as Mathematics itself) will benefit enormously from taking Further Mathematics, at least to AS level in some cases. As well as teaching you about new topics such as Matrices and Complex numbers, that are vital in maths-related degrees, studying Further Mathematics will also boost your performance in the standard AS/A level Mathematics. You will find the first year mathematics element of any maths related degree course far more straightforward if you have studied Further Mathematics. It's useful to think of Further Mathematics as mainly broadening your knowledge and understanding outside what is covered in the standard A level Mathematics If you are especially keen on Mathematics you will really enjoy the full A level in Further Mathematics. It is a challenging qualification, but students who do it usually find it is their favourite subject. Further Mathematics qualifications are prestigious and are strongly welcomed by universities. Students that do Further Mathematics are really demonstrating a strong commitment to their studies, as well as learning mathematics that is very useful for any maths-related degree.