

Further Mathematics

A Level

Examination Board: EDEXCEL

Aims of course:

To encourage candidates to:

- Understand mathematics and mathematical processes and to promote confidence, enjoyment and provide a strong foundation for further study;
- Understand coherence and progression and how different areas of mathematics are connected
- Apply mathematics in other fields of study;
- Represent situations mathematically and understand the relationship between problems in context and mathematical models.

Programme of study

Level	Module Name	Module Description
AS Level	Further Mathematics	Compulsory module: Further Pure Mathematics 1. Optional module: Further Pure Mathematics 2; Further Statistics; Further Mechanics; Decision Mathematics.
A Level	Further Mathematics	Compulsory Modules: Further Pure Mathematics 1, Further Pure Mathematics 2. One of: Further Pure Mathematics 3; Further Statistics 1; Further Mechanics 1; Decision Mathematics 1.

Approaches to learning:

In Further Mathematics the students study the full A Level course over two years. They will complete the modules required for A Level Mathematics as well as those for Further Pure Mathematics. There are three assessment and learning objectives:

- Use and apply standard techniques;
- Reason, interpret and communicate mathematically;
- Solve problems within mathematics and in other contexts.

Who is this course aimed at?

Students who wish to pursue a further study in Mathematics, Engineering, Business or related work.

Mathematics is a course worth studying in its own right. It is challenging but interesting. It builds on what you have learnt at GCE, but also involves new ideas that some of the greatest minds in history have produced. It serves as a very useful support for many other qualifications as well as being a much sought-after qualification for the workplace and courses in higher education.

Minimum entry requirement:

Grade 8 in Mathematics, Grade 6 in English Language + 3 GCSEs A*– C

All subjects will be terminally examined at the end of two years, with internal exams throughout year 1 and 2.

Please note: The course is dependent on numbers registering their interest to study at A Level. The subject will only run if there are sufficient student numbers.