

ADDITIONAL SUBJECT – A LEVEL FURTHER MATHEMATICS

EDEXCEL EXAMINATION BOARD

2026 ENTRY

What does the course involve?

This course runs alongside the Mathematics course for those students with a flair and interest in Mathematics. The course is made up of 4 units: Core Pure 1&2, Further Statistics 1 and Further Mechanics 1. The Core Pure units extend the A-level Pure content, and introduces more demanding topics such as matrices, polar coordinates and complex numbers. The applied options provide you with a wide range of knowledge for Maths based further education.

How will you learn?

- Recall, select and use your knowledge of mathematical facts, concepts and techniques in a variety of contexts.
- Construct rigorous mathematical arguments and proofs through use of precise statements and logical deduction.
- Develop extended arguments for handling substantial problems.
- Apply your knowledge of standard mathematical models to represent situations in the real world.
- Comprehend translations of common realistic contexts into mathematics.
- Use contemporary technology accurately and efficiently. You will have access to a graphical calculator in your lessons, and we will lend you one for your exams.
- Understand when not to use such technology, and its limitations.

What exams and coursework are involved?

We follow the Pearson Edexcel Further Mathematics course, alongside our A-Level Mathematics provision.

At the end of Year 13 you will sit four examinations: Core Pure 1, Core Pure 2, Further Statistics 1 and Further Mechanics 1. Each paper will be 1 hour 30 in duration and all are calculator papers. You will be provided with a graphical calculator in class and for examinations.

What are the entry requirements?

You will need to be studying A Level Mathematics and have achieved a grade 8 in GCSE Mathematics.

You will take this A-Level option alongside 3 other full A-Levels.

There is the option to reduce to an AS-Level qualification in Further Mathematics during Year 13.

What could you do after completing the course?

It is particularly beneficial, and essential at some universities, to students who intend to study mathematics, physics or engineering degree courses.

This year our leavers have gone off to study the following courses: Maths & Computer Science at Oxford, Maths at Warwick, Maths and Data Science at LSE, Economics at LSE, Natural Sciences at Cambridge, Aeronautical Engineering at Southampton and Physics at Durham.