



A-Level Further Mathematics

Exam Board: Edexcel

Entry Criteria: GCSE Mathematics Grade 8 or above

Overview

The A-Level Further Mathematics course deepens students' understanding of advanced mathematical concepts and builds upon the A-Level Mathematics syllabus.

The course covers:

- **Compulsory Modules:** Core Pure Mathematics 1 and Core Pure Mathematics 2
- **Optional Modules:** Two additional modules are chosen from Further Pure Mathematics, Further Statistics, Further Mechanics, or Decision Mathematics, based on student preference and career goals.

Note: Students enrolled in A-Level Further Mathematics must also take A-Level Mathematics.

AS Qualification Option: Students may take an AS qualification in Further Mathematics at the end of Year 12, with details provided by teachers as appropriate.



Assessment

The A-Level Further Mathematics course is assessed at the end of Year 13 through four exams, each lasting 1.5 hours and worth 75 marks. Each paper represents 25% of the total qualification.

- **Paper 1: Core Pure Mathematics 1**
- **Paper 2: Core Pure Mathematics 2**
- **Paper 3: Further Mathematics Option 1**
- **Paper 4: Further Mathematics Option 2**



Recommended Resources

While there is no formal reading list provided, students are encouraged to engage with additional materials to deepen their understanding of course content.



Super-curricular resources

Students can benefit from exploring mathematical resources and problem-solving practice sites such as:

- **Dr Frost Maths:** for additional exercises and practice questions
- **Physics and Maths Tutor:** offering topic-specific exam questions
- **Bridging and Transition Books:** resources that bridge GCSE to A-Level Mathematics concepts



Career Progression

Further Mathematics is highly regarded and often essential for university courses in **STEM fields**, particularly in **Mathematics, Engineering,** and **Physics**. The analytical, problem-solving, and logical thinking skills developed through this course are valuable in a wide array of fields, including finance, computing, and scientific research.

The course is well-supported by experienced teachers who guide students in mastering course content and preparing for mathematics-related university studies.