

Further Maths - A Level

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Course Outline

Studying Further Mathematics at the A-level opens up a world of mathematical exploration, encompassing three distinct and exhilarating strands: Core Mathematics, Further Mechanics, and Decision Mathematics. The core strand delves deep into the fundamental principles of mathematics, providing a rock-solid foundation for advanced mathematical concepts.

Further Mechanics introduces the beauty of applying mathematical rigor to analyse the physical world, from the motion of celestial bodies to the intricate mechanics of everyday objects. Meanwhile, Decision Mathematics equips students with the tools to make data-driven choices, shaping the future through the power of algorithms and optimization. The amalgamation of these three strands not only fosters a profound appreciation for the elegance of mathematics but also empowers individuals to tackle complex real-world problems, making Further Mathematics an inspiring journey of intellectual growth and practical impact.

To begin A Level Further Mathematics you need to be a strong mathematician.

Algebraic fluency is paramount, as are strong organisational and time management skills. You must also be studying A Level Mathematics.

This is a highly respected course that compliments A Level Maths perfectly. There is a misconception that Further Maths is a lot harder than A Level Maths but for the most part of Year 12 this is not the case; the units studied have different content and explore different areas of mathematics. You do not need to be a mathematical genius to succeed in this course; you just need to be interested in mathematics and enjoy a challenge!

Progression Post-18

Maths is essential for many degree courses besides a Mathematics degree and is desirable for many more. These include Chemistry, Physics, Biology, Computer Science, Engineering, Geography, and Economics. Further Maths particularly supports future studies in Maths, Science, Technology and Engineering.

Maths also supports many other courses and careers, for example accountancy, actuarial work, banking, computing, MORSE, and management.

Whatever employment or further education is pursued, Maths A Level is highly respected and Further Maths AS/A Level will open many doors.

Qualification: A Level Examination: 100%

Examination Board: Edexcel