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Subject Guides



A-level

Further Maths





A-level Further Maths

Introduction

Further mathematics is a course designed for those with a particular interest in mathematics who wish to develop their skills beyond those offered in the A-level mathematics course. The content is designed to stretch highly able pupils who will then be able to use their deeper and broader mathematical knowledge as they transition into further studies in science, technology, engineering or mathematics (STEM). This course is for students also studying A-level Maths that have at least a grade 7 in GCSE Maths.

What You Will Learn

In further mathematics a small selection of the new topics learned include:

- Complex numbers
- Equations and uses for plane geometry in 3 dimensions
- Polar coordinates
- Matrices
- Algorithms for sorting numbers

Where It Can Lead To

Further Maths will help you with some of the challenging maths content you may encounter in your other A-levels, especially in: Physics, Chemistry, Biology, Business Studies, Geography and Psychology. Higher education courses that may recommend A-level Further Mathematics as a good facilitator subject include: Engineering, Chemistry and Biochemistry, Physics, Computer Science and Actuarial Science.