

Further Maths

Why this course is right for you

If you have a keen interest in maths, a curious mindset, and are considering studying it at university, then Further Maths is the ideal choice for you.

Further Maths must be studied alongside Maths A Level, and provides an opportunity to both broaden and deepen your mathematical knowledge. You'll explore additional, more demanding topics in pure mathematics, as well as a wider range of applied mathematics topics, including decision mathematics and mechanics.

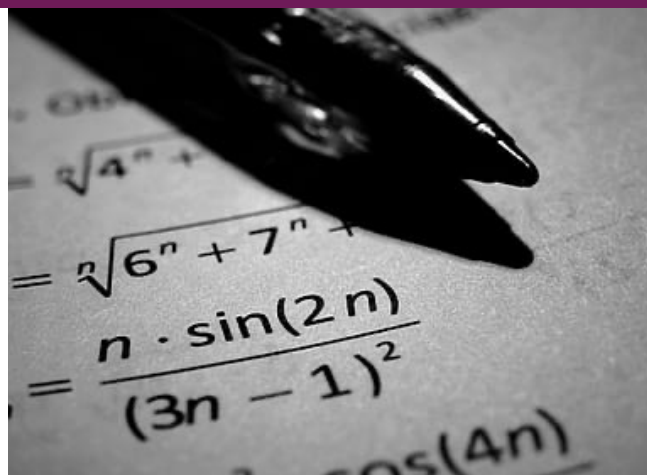
Beyond A Levels

Many competitive degree programs, especially in STEM fields, prefer or require Further Mathematics as a prerequisite, giving students a competitive edge. Furthermore, the analytical and problem-solving skills developed through Further Mathematics are highly valued in various career paths, such as engineering, finance, data science, and research.

Going further

If you think you might be interested in maths take a look at the following:

- Numberphile (YouTube channel)
- Fermat's Last Theorem, Simon Singh
- Plus Magazine
- University of Oxford's "The Secrets of Mathematics" (Podcast)
- UKMT Competitions
- Women In STEM (website)



Course Content

Exam board: AQA

Head of Department/Faculty: Imogen MacMillan

Topics Covered:

- IOT1: Mathematical argument, language and proof
- OT2: Mathematical problem solving
- OT3: Mathematical modelling
- Mechanics
- Discrete

Assessment:

At the end of Year 2:

100% examination

Paper 1

Paper 2

Paper 3 - Discrete and Mechanics

Optional AS Level exam at the end of year 1 for those taking Further Maths as a 4th A Level

Additional Experiences

Annual UKMT competitions, both as an individual and as a team

Subject Entry Requirements

Maths: Grade 8 Maths GCSE

"Do not worry too much about your difficulties in mathematics, I can assure you that mine are still greater."

Albert Einstein