

**100%**  
Pass Rate

**97%**  
A\*-B Grades  
in Maths

**81%**  
A\*-B Grades  
in Further Maths

## Oxbridge Programme

## Additional Modules



# A Level Further Maths

**Do you want to explore sophisticated mathematical ideas and concepts?  
Do you want to enhance and develop your problem solving skills?  
Do you want to be thoroughly prepared for any maths related degree programme?**

Students studying further mathematics attend two taught sessions per day. Throughout these sessions, students will study with the same group of peers, but the tutors will vary appropriately. We believe that students who experience a range of tutors benefit from rich interdisciplinary discussion and debate. The key areas of mathematics are studied: pure mathematics, mechanics, statistics and decision. After successful completion of the two year further mathematics programme, students will be awarded A-Level mathematics and A-Level further mathematics.

Students can also experience extra mathematical opportunities by accessing our extensive mathematics enrichment programme which supports students to approach high-level mathematics problems particularly useful for preparation for entrance examinations to universities such as Cambridge, Oxford and Warwick.

Many further mathematics students also volunteer to be mentors to other first and second year mathematics students. Students describe their participation in this scheme as highly rewarding. Any activity that is extra to your core study programme is highly desired by universities and employers. They understand the significance of additional activities and actively look for these when considering their

offers. Needless to say, enrichment activities are a valuable addition to university personal statements and curriculum vitae.

To broaden the mathematical concepts delivered through the taught sessions, further mathematics students can also take advantage of a diverse variety of internal and external events each year. These are specifically offered to complement classroom activity and might include mathematics presentation, open days, problem solving workshops and quizzes. In recent years Runshaw College mathematics students have proven to be highly successful in being placed in both individual and team competitions.

Our further mathematics results continue to place well above the national average, with an increasing amount of students deciding to study mathematics at Runshaw College. Joining us means that you can feel confident in our further mathematics programme, enjoying continual reflective development in partnership with able and talented peers and an enthusiastic and skilled staff.

## **Entry Requirements:**

A minimum of 5x Grade 5s, including Grade 8 in Maths.

**Maths Academy** |   
*Proud to Partner*

For more information about our courses, visit [runshaw.ac.uk](https://runshaw.ac.uk)  
call **01772 643000** or email [info@runshaw.ac.uk](mailto:info@runshaw.ac.uk)

## What's great about this course?

- Highly experienced Further Maths tutors: Over **40 years combined teaching experience** of further maths.
- Long history of **outstanding results**: Our results continue to be significantly above the national benchmarks year on year.
- All applied **Further Maths options** offered: Mechanics, Statistics and Discrete Maths are all delivered in class, enabling learners to study the broadest range of mathematical ideas and concepts.
- **Additional Further Pure**: An optional module on offer for those students keen on gaining even more mathematical knowledge and technique, as well as increasing their preparation for their chosen maths related degree programme.
- **Oxbridge programme**: Weekly classes run over two years to help prepare students for the challenging additional entrance exams for maths-related degree programmes.
- **Mock interviews**: Those students required to have a maths-related interview as a key part of their university course selection process can take advantage of practice interviews to help with their preparation.
- **Maths Academy**: A weekly competitive event which will enhance teamwork and mathematical communication.
- **Flexibility**: Further Maths is initially taken as a fourth subject choice which ensures you keep your options open.
- **UK Maths Trust competitions**: All our Further Maths students compete in the Individual Senior Maths Challenge with many qualifying to progress to the Kangaroo Round, The Maths Olympiad and the Team Challenge, where Runshaw are the current regional champions.
- **6th Form Maths Team Quiz competition**: Multiple teams from Runshaw compete against other colleges and 6th forms from across the north-west in this annual Liverpool based competition. Our teams finished 1st, 2nd and 3rd in 2023!
- **Maths trips and presentations**: Students have the opportunity to attend fun, interesting and engaging events such as Maths inspiration and Florence Nightingale Day.
- **Peer mentoring**: Support your peers by mentoring GCSE and A Level students. A highly rewarding experience and great to put on personal statements.
- **Course structure**: A-level maths content is taught in year one giving plenty of time to hone the skills and techniques required to tackle A-level maths with competence and confidence. In 2023 84% of our Further Maths students achieved an A\* or A grade in their Maths A-level.
- **Frequent mock exams**: Further Maths students sit many ninety minute and two hour assessments ensuring they are thoroughly prepared for their A-level exams in both Maths and Further maths.
- **UCAS applications**: Experienced staff are on hand to help to provide support and guidance for 'stand-out' personal statements.

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# A Level Further Maths

Where are they now?

**Marc Thompson**



**A-Levels:** Computer Science, Further Maths, Maths, Physics

**Going to:** University of Manchester

**Studying:** Computer Science and Mathematics

*"When I first applied to Runshaw I wasn't sure whether to go for Further Mathematics, but choosing to do so was one of the best decisions I made. It's a great choice for anyone that wants to go on to do any STEM subjects in the top universities, as well as anyone who is interested in wider mathematics since it introduces higher level concepts that are built on top of the skills learnt in A level mathematics. From Geometry to Group Theory, there were plenty of topics that I found interesting in Further Maths, and the course is designed to go at a faster pace so I never felt like we spent too much time idling on one topic. There were a number of opportunities to go and learn as well as apply the knowledge we gained in clubs, trips and competitions."*

**Jasmine De Goede**



**A-Levels:** Chemistry, Further Maths, Maths, Physics

**Going to:** University of Cambridge

**Studying:** Natural Sciences

*"I really enjoyed the further maths course at Runshaw and found the teaching especially helpful. We finished the course with time to spare and did multiple modules, giving us the chance to explore many different areas of maths. We have had many opportunities with clubs like STEP and Maths Academy, which were fun to partake in whilst also helping to further our maths ability. I felt super prepared for my further maths A level this year as the teachers gave lots of support and past papers before and throughout the entire exam period."*

**Myles Hayhurst**



**A-Levels:** Biology, Chemistry, Further Maths, Maths

**Going to:** Imperial College London

**Studying:** Biomedical Sciences

*"The A-level Further Maths course was an exceptional experience. The applied modules expanded my mathematical knowledge significantly. The high-quality teaching by two teachers enhanced my understanding. Despite its challenges, I enjoyed being pushed out of my comfort zone. The support provided by tutors was outstanding, with extra resources readily available. Overall, the course built my mathematical ability and confidence for university."*

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