

# Further Maths

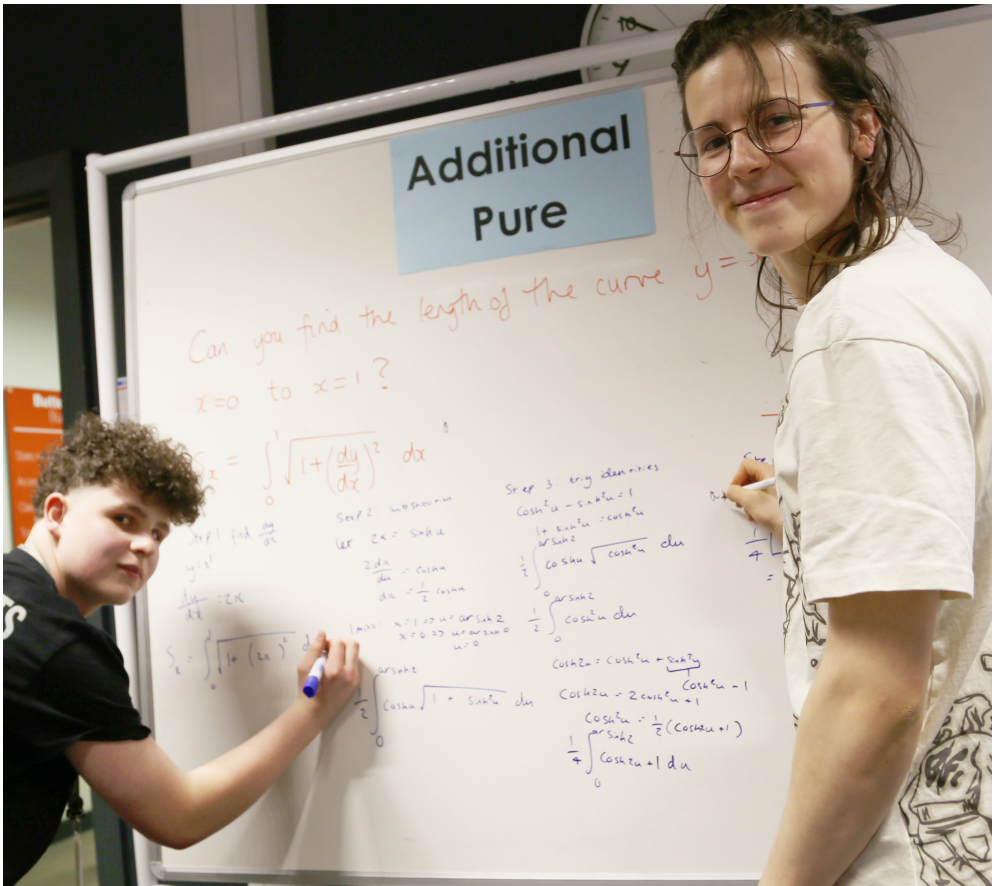
**100%**  
Pass Rate

**100%**  
A\*-A Grades  
in Maths

**94%**  
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](http://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 have the opportunity to compete in the Individual Senior Maths Challenge with many qualifying to progress to the Kangaroo Round. We also have a number of students each year competing in the Maths Olympiad for Girls.
- **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.
- **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 2024 100% 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?



**Tom Bartholomew**

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

**Going to:** Durham University

**Studying:** General Engineering

*"Further maths was not a subject I initially thought I would take, but at the end of two years I couldn't be happier. It has been a challenging and fast-paced course, but as a result I have gained a new passion and been able to take a step closer in my long-term goal of becoming an engineer. Further maths allows you to study modules such as further mechanics in fascinating detail, which not only aided my understanding in A-level Physics, but also as a result, I feel well equipped to start my degree this year. Overall, the teaching and exam support has been amazing, and I could not recommend the further maths course at Runshaw more."*



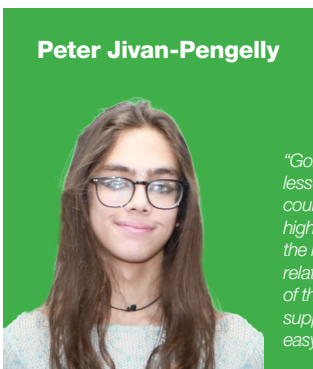
**Rhys Caton**

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

**Going to:** University of Manchester

**Studying:** Chemical Engineering

*"When applying to Runshaw, I wasn't sure whether to go for further maths, but I'm so glad I did. It was so much fun. It's aided me in loads of different areas outside of the curriculum such as problem solving, which helped me massively when going for interviews at top universities. Extracurricular clubs such as STEP class and maths academy run weekly and as well as being fun, they helped to further develop my maths skills. Teachers are always on hand to help you with any queries and to help with any past paper questions, no matter how ridiculous. This calmed me down during the exam period as I felt prepared for my Further Maths A-Level but also my Maths A-Level."*



**Peter Jivan-Pengelly**

**A-Levels:** Computer Science, Art and Design,

Maths & Further Maths

**Going to:** Durham University

**Studying:** Mathematics

*"Going into College I knew instantly that further maths was for me. Within even our first lessons the teachers went through the content we already knew such that new content could be taught quickly. The speed at which the lessons are formatted certainly is a highlight of the further-maths course, often covering content multiple times quicker than the normal A-level Maths course. Throughout my time I participated in many maths-related extra-curricular activities including LaTeX club, this helped teach the fundamentals of the type setting language, useful for outside of college. During my exams I felt so much support from both of my teachers as all the different resources were given in such an easy to access manner and any questions I had were answered with written examples."*

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