



# A-level Further Mathematics

Further Mathematics is an A-level qualification which both broadens and deepens the material covered in A-level Mathematics and they must be taken alongside each other.

It is a very demanding course requiring a high degree of both algebraic and numerical skill. A grade 8 at GCSE is the minimum entry requirement and those studying Maths and Further Maths should be capable of studying four A-levels overall to maintain a broader academic experience in the sixth form.

Further Mathematics qualifications are prestigious and strongly welcomed by universities as students are demonstrating a strong commitment to their studies. The course is very suitable for anyone considering reading Maths, Engineering, Computer Science or Physics at university, or indeed, anyone who relishes an intellectual challenge. Due to its growth in popularity this qualification has become an expectation for several of the top 'mathematically rich' degree courses in the country (including some engineering courses). Those who are considering Medicine as a career need to recognise that many medical schools will only recognise Maths and Further Maths as one A-level (some recognise them as two).

The LRGS Further Maths course is taught by a very experienced team of teachers, some of whom are also

external examiners for Pearson Edexcel. Historically the course has helped prepare numerous students for Oxbridge applications and other competitive university courses. The new A-level has 50% prescribed Pure Mathematics content and the remainder can be selected from modules in Mechanics, Statistics or more Pure Mathematics.

## What can Further Mathematics lead to?

Many Further Mathematics students go on to University courses which are 'mathematically-rich' such as Maths, all types of Engineering, Physics, Computer Science and Economics. At LRGS we encourage students to keep a breadth of subject knowledge which is why the Further Maths course is typically for those mathematicians who are studying four A-levels.

"I enjoy the experience of being academically challenged each day and the satisfaction of solving something very complicated" Former Sixth Form student.

**Exam board: Pearson Edexcel**

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Lancaster Royal  
Grammar School

State Day and Boarding School for Boys Aged 11 to 18  
Coeducational Sixth Form



# SIXTH FORM

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