



# A-level Mathematics

A Level Mathematics is more than just numbers - it's a gateway to understanding the world in a deeper, more structured way. Whether you're solving equations or modelling real-world scenarios, Maths trains your brain to think critically, logically, and creatively.

- **Universally Respected:** Maths is one of the most highly regarded subjects by universities and employers alike. It signals intellectual rigor and discipline.
- **Versatile Pathways:** Opens doors to degrees in engineering, physics, economics, computer science, architecture, medicine, and even law.
- **Boosts Other Subjects:** Supports success in sciences, geography, psychology, and business studies by enhancing analytical and problem-solving skills.

Choosing Mathematics at LRGs means joining an experienced and highly successful department. Our teachers are passionate about the subject and committed to helping students achieve outstanding results. Mathematics is one of the most popular A Level choices here, and our track record speaks for itself.

## Students who thrive in A Level Maths develop:

- Strong independent study habits
- Clear and precise mathematical communication
- Resilience and discipline through regular practice beyond the classroom
- The course is built around Pure Mathematics, which forms the foundation of mathematical theory. Alongside this, you'll explore its real-world applications through:
  - Mechanics – the study of forces and motion
  - Statistics – interpreting and analysing data to make informed decisions.

Mathematics pairs well with a wide range of Sixth Form subjects, making it a versatile and strategic choice.

## Are there any entry requirements?

There is a minimum entry requirement of a Grade 7 at GCSE Mathematics.

It's challenging—but that's the point. A Level Maths pushes you to grow intellectually and builds resilience. The satisfaction of solving a tough problem is unmatched. It teaches perseverance and rewards curiosity.

## What can Mathematics lead to?

Many University courses are 'mathematically-rich' such as the Sciences, all types of Engineering, Computer Science, Economics, Accountancy and not forgetting Mathematics. A good A-level in Mathematics will be expected for entry to these courses. It is also highly recommended for courses such as Medicine and Veterinary Science to complement the Science A-levels.

**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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