



# A-level Mathematics

A successful modern economy needs well-qualified young mathematicians, engineers, scientists, economists and computer scientists. These fields all require a high level of mathematical skill. Mathematical ability is a priceless asset and if you have it, make the most of it.

Studying Mathematics at LRGS guarantees you will be taught by an experienced, successful department. September 2019 will see the second intake into the new linear A-level course which follows on from the new 9-1 GCSE Maths in style and content. Pure Mathematics forms the main part of the course and is taught alongside its applications in the fields of Mechanics and Statistics.

Mathematics can be combined with many other subjects in the Sixth Form. The statistical content of the course supports the study of Geography, Biology and Economics among others. The mechanics content of the course is very beneficial in support of Physics and covers the building blocks required for the study of Engineering. We strongly encourage students to broaden the range of skills that they will develop in the sixth form by studying Mathematics alongside a language or a humanities subject in addition to the traditional sciences.

We offer plenty of opportunity for Mathematics students to extend their scope and skills outside the curriculum by using the United Kingdom Maths Trust (UKMT) Senior Mentoring Scheme and preparing students to participate in both individual and team mathematics competitions.

## Are there any entry requirements?

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

## 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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