

Mathematics (Further)

Course overview

A LEVEL

Level 3

EdExcel

This course is for you if you found GCSE Maths easy, love algebra and can't wait to have at least half of your timetable devoted to learning new, exciting maths topics. This course comprises of two A Levels, so it occupies two of the subject choices on your timetable.

Entry Requirements

You must have a minimum of 5 grades 9-4 (equivalent to A*-C) at GCSE, including English and Maths at grade 4, plus you must also meet the specific subject entry requirements.

Subject Specific Requirements

Grade 7 or above in Maths GCSE.

Popular Subject Combinations

A Level: Physics; Chemistry;
 Computer Science

BTEC:

Possible Enrichment Opportunities

Visiting speakers from university maths departments. Preparation for sitting the additional entrance exams (STEP papers) which are required by some leading universities. Entry to the UK Mathematics Trust Senior Maths Challenge.

What will I learn?

You will study a combination of pure maths, mechanics and statistics over two years. Your study of pure mathematics will extend what you have learned at school, as well as introducing you to important new ideas and methods. In mechanics you will learn how to apply mathematics in the physical world to describe the motion of objects and how they respond to forces acting upon them. Your study of statistics will involve learning how to utilise statistical models to analyse real-world data and make predictions about future trends. Be prepared for a real challenge, but also to have fun and meet like-minded academic students.

How will I be assessed?

A-Level Mathematics

Three 2-hour exam papers at the end of your second year.

A-Level Further Mathematics

Four 90-minute exam papers at the end of your second year.

Where might it lead?

Further Maths is essential if you want to study for a degree in Maths (or Sciences) at the Russell group of leading universities. Many students secure places to study Maths, Science, Engineering, Actuarial Science and Accountancy degrees as well as many other academically challenging courses.

If you would like further information about this course please contact the admissions team at

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www.strodes.ac.uk