A Level Mathematics

What will I study?

On this course, you'll explore a range of mathematical concepts, including algebra, calculus, statistics, probability and mechanics. You'll learn how to solve problems, model real-world situations, and develop analytical thinking. There is much more emphasis on algebra to generalise problems and produce proofs. Key new topics include analysis of graphs and their equations, calculus, hypothesis testing, numerical methods and mechanics. This course is ideal for students who enjoy working with numbers and abstract ideas, and who want to develop skills that are highly valued in many careers.

How will I be assessed?

A Level Mathematics is assessed by written examinations at the end of the two-year course. There are typically three papers covering pure mathematics, statistics and mechanics. You'll be tested on your ability to solve mathematical problems, interpret data, and apply mathematical techniques. The exam board for this course is Edexcel.

What are the entry requirements?

You must have five GCSEs at grade 5 or above (including English Language at grade 5 and Maths at grade 4) to meet the general Sixth Form entry requirements at MK College, as well as GCSE Maths at grade 6 or above and GCSE English Language at grade 5 or above to study A Level Mathematics.

Where will this course lead?

A Level Mathematics provides a strong foundation for university degrees in Mathematics, Engineering, Physics, Economics, and Computer Science. It's also valuable preparation for careers in finance, data analysis, actuarial science, teaching, and any role requiring quantitative and analytical skills.

What combines well with this subject?

Mathematics complements a wide range of subjects, especially those that involve problem solving, analysis and logical thinking. Consider pairing it with: Physics, Chemistry, Computer Science, Economics, and Further Mathematics.