



Mathematics A Level

Why study mathematics?

The skills and techniques which are developed in mathematics play a significant part in many other disciplines. Mathematics, as well as being an important subject in its own right, is vital as a support for many subjects, both at A Level and in Higher Education. A qualification in mathematics can be a great choice for many students, whatever their long-term aims may be.

The course

Mathematics A Level builds upon your previous experience of mathematics, developing some topics further and introducing many new topics. Students are expected to undertake 4-5 hours of work away from the classroom each week. When appropriate, work in class will involve the use of graphics calculators and computers.

Other aspects of the course include:

- > Pure Mathematics – this develops the ideas of algebra, trigonometry and geometry first studied in the GCSE course
- > Calculus – this will be a new topic for students and forms an extensive part of the course
- > Applied Mathematics – topics are from both Mechanics and Statistics and students cover both of these:
 - Mechanics is the mathematical study of concepts such as force, motion, equilibrium and momentum and is related to Physics
 - Statistics involves the analysis of data and the use of statistical theory to make judgements about the validity and implications of results

Career and Progression Opportunities

The study of mathematics helps to keep doors open for future careers in a variety of sectors. Mathematics at this level looks good on personal statements or CVs and can lead to a range of careers including mathematics, computing, digital industries, science, finance and business.

Beyond
The
Classroom



>> Visit: mkcollege.ac.uk/courses/a-level-pathways