

MATHEMATICS

This course is designed for people who enjoy problem solving and want to pursue any career with mathematical content

COURSE DETAILS

A Level
Edexcel - 9MA0
Maths GCSE Grade 6 or higher



Students will build on and extend the techniques covered at GCSE. Algebraic methods are commonly used to analyse and solve problems. The course is based mainly on pure maths, but also includes applications in statistics and mechanics.

The overarching theme throughout this course is to think logically and analytically, to process information and create clear solutions to problems in a variety of contexts. Although numeracy skills are clearly useful, a more important prerequisite for A level is confidence with basic algebra.

Two thirds of the marks on the final three exams are for pure maths, with statistics and mechanics making up the rest. Pure maths is based on algebra, graphs and trigonometry, extended to include new techniques including calculus and logarithms. Statistics involves sampling, probability and data analysis. Mechanics is the study of forces and motion.

Students completing this A level have gone on to study maths, science, computing, economics, engineering and medicine at university, but also a wide range of different courses where a mathematical skill set is valued. Even for careers not directly linked to maths, this A level is highly regarded by employers as an indicator of talent and capability.

