



A Level Mathematics

Exam Board: AQA

A-level Maths provides students with a thorough grounding in the mathematical tools and techniques often needed in the workplace. The logic and reasoning skills developed by studying A-level Maths make sure the qualification is widely respected even in non-mathematical arenas.

A-level Maths is made up of six units – three at AS and three at A2. All units are available in the June series. There are four Pure Core units which make up two-thirds of the qualification and provide the techniques in Algebra, Geometry, Trigonometry and Calculus that form the fundamental building blocks of the subject.

Mathematical applications make up the remaining third of the qualification and there are various options to suit the needs of individual students.

All units are of equal weighting and are assessed by an exam of 1 hour 30 minutes.

A-level Maths provides a foundation for further studies in a variety of subjects including Science and Engineering.

AS MODULE - Pure Core 1

Algebra
Coordinate Geometry
Differentiation
Integration

AS MODULE - Pure Core 2

Algebra and Functions
Sequences and Series
Trigonometry
Exponentials and logarithms
Differentiation
Integration

AS MODULE - Statistics 1

Numerical Measures
Probability
Binomial Distribution
Normal Distribution
Estimation
Correlation and Regression

A2 MODULE - Pure Core 3

Algebra and Functions
Trigonometry
Exponentials and Logarithms
Differentiation
Integration
Numerical Methods

A2 MODULE - Pure Core 4

Algebra and Functions
Coordinate Geometry in the (x,y) plane
Sequences and Series
Trigonometry
Exponentials and Logarithms
Differentiation and Integration
Vectors

A2 MODULE - Statistics 2

Discrete Random Variables
Poisson Distribution
Continuous Random Variables
Estimation
Hypothesis Testing
Chi-Square (χ^2) Contingency Table Tests