

Mathematics

A-LEVEL

EXAM BOARD Edexcel

ASSESSMENT

COURSE CONTENT

Component 1 and 2: Pure Mathematics

Proof, Algebra and functions, Coordinate geometry in the (x,y) plane, Sequences and series, Trigonometry, Exponentials and logarithms, Differentiation, Integration, Numerical methods, Vectors.

Component 3:

Section A: Statistics

Statistical sampling, Data presentation and interpretation, Probability, Statistical distributions, Statistical hypothesis testing.

Section B: Mechanics

Quantities and units in mechanics, Kinematics, Forces and Newton's laws and Moments.

Component	Assessment	Duration	Weighting
Component 1: Pure Mathematics 1	Written exam	2 hours	33.33%
Component 2: Pure Mathematics 2	Written exam	2 hours	33.33%
Component 3: Statistics and Mechanics	Written exam	2 hours	33.33%

CAREER OPPORTUNITIES

Employers look for hard-working, self-motivated, and intelligent people to join their staff. Obtaining a maths A-level shows that you have what it takes. You may not use algebra or probability in your job every day, but the transferable skills of analysis, logic, and problem solving will always come in handy.

Some degree subjects like physics and engineering ask for a maths A-level as part of the entry requirements. Others such as medicine and architecture don't make it a necessity, but they still have a decent amount of mathematical content. If you go in with a maths A-level, you'll have a much easier time than those who don't.

