

6th form

Course Level

A Level

Awarding Body

Edexcel

Entry Requirements

Grade 6 in GCSE Mathematics (although a Grade 7 is highly recommended).

Assessment

Paper 1
(Pure Mathematics 1 - 2 hours)

Paper 2
(Pure Mathematics 2 - 2 hours)

Paper 3
(Statistics & Mechanics - 2 hours) in
Summer of Year 13.

MATHEMATICS

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Paper 1 and Paper 2 build on GCSE knowledge of Indices and Surds, Algebraic Proof, Quadratic Equations, Simultaneous Equations, Inequalities, Functions, Transformations of Graphs, Equation of a Straight Line, Trigonometry and Vectors. The Equation of a Circle, the Binomial Expansion, Differentiation, Integration and Logarithms are introduced.

Paper 3 covers Statistical Sampling, Presentation and Interpretation of Data, Probability Distributions, Hypotheses, Kinematics, Forces and Newton's Laws.

Special Requirements

No coursework is necessary for A Level Mathematics.

Career and Progression Opportunities

The objective of the course is to include a sufficient range of mathematical topics so that when students successfully complete the course they will have the necessary basis for progressing to further study in Economics, Geography, Mathematics, related subjects such as Physics or Engineering, Risk Analysis, Global Climate Modeller, Actuary, Biometrics Officer, working for the Aerospace industry or directly into employment.

Link to specification: <https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-mathematics-specification-issue4.pdf>