



# Maths

## AQA

### Year 12

Pure Maths: Differentiation, Integration, Trigonometry, Series, Algebra, Surds, Indices, Coordinate Geometry, Binomial Expansion, Vectors, Logarithms.

Statistics: Data processing, Probability, Binomial Distribution, Hypothesis Testing.

Mechanics: Kinematics, Newton's Laws, Forces, Variable Acceleration.

Assessment

Two 1½ hour exams:  
 Paper 1: Pure Maths and Mechanics.  
 Paper 2: Pure Maths and Statistics.

### Year 13

Pure Maths – More differentiation and integration, Trigonometry and functions. More complex Calculus, Vectors, differential Equations and Algebra, Sequences and Series.

Statistics: Probability, Statistical Distributions, Hypothesis Testing.

Mechanics: Forces and Motion, Movements, Projectiles, Friction.

Assessment

Three 2 hour exams Pure Maths, Mechanics and Statistics.

### Links Well With:

Sciences, Further Maths, Geography and Business Studies.

### Progression Routes:

Maths is a 'facilitating subject' and can lead to careers in Engineering, Physics, Maths and Accountancy.

### Entry Requirements:

GCSE Grade 7 Maths.