# MATHEMATICS

| Year 13 |
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**The content that you study during your mathematics lessons is as follows;**
Pure mathematics
Algebraic methods
Functions and graphs
Sequences and series
Binomial expansion
Radians
Trigonometric functions
Trigonometry and modelling
Parametric equations
Differentiation
Numerical methods
Integration
Vectors
Statistics
Regression, correlation and hypothesis testing
Conditional probability
The normal distribution

Mechanics
Moments
Forces and friction
Projectiles
Applications of forces
Further kinematics

**Examination Board:**
Edexcel

**Assessment Structure:**
Three examinations will take place at the end of year 13 (2 pure papers, 1 statistics/mechanics paper).

**Subject specific websites to support revision and independent learning:**
Mymaths
FMSP website
Edexcel website (past papers and mark schemes)
Youtube

**Recommended subject guides:**
CGP A level maths year 1 & 2 complete revision and practise book (Edexcel) ISBN-13 9781782948087