

Subject Area: Mathematics

'We aim to provide students with the mathematical tools, problem solving skills and confidence to make sense of the world around them and to appreciate the beauty of mathematics.
We promote active participation and resilience, which increases future opportunities, employability and enriches lives'

Curriculum Overviews	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12 AS Maths	Algebra and functions Statistical Sampling Data representation and interpretation Quantities and units in Mechanics Kinematics	Co-ordinate geometry Further algebra Data representation and interpretation Kinematics	Trigonometry Vectors Probability Statistical Distributions Forces and Newton's laws	Differentiation Integration Statistical Hypothesis testing Forces and Newton's laws	Exponentials and logarithms Statistical Hypothesis testing Further Kinematics Revision and application AS examinations	Commence Year 13 A-Level Maths Proof Algebraic and partial fractions
Year 13 A-level Maths	Functions and graphs Sequences and series Binomial expansion Regression and correlation Moments	Trigonometry Parametric equations Probability Forces at any angle	Differentiation Numerical methods The Normal distribution Applications of kinematics	Integration The Normal distribution Applications of forces	Vectors The Normal distribution Further kinematics Revision and application	A-Level examinations
Year 12 Further Maths	Core Pure Complex numbers and Argand diagrams Series Roots of polynomials	Volumes of revolution Matrices Linear transformations	Linear transformations Proof by induction	Vectors Revision	Revision and application AS-Level examinations	Commence Year 13 A-Level Further Maths Complex numbers
Year 13 Further Maths	Further Mechanics 1 complete Core Pure 2 Complex numbers Series	Further Mechanics 2 – own study Core Pure 2 Methods in calculus Volumes of revolution	Further Mechanics 2 – own study Core Pure 2 Polar coordinates Hyperbolic functions	Further Mechanics 2 – own study Core Pure 2 Differential equations	Revision and application	A-Level examinations

Exam Boards and Useful Websites:

Key Stage 5 (Year 12 – 13)

Exam Board – Edexcel A level and AS level
Integralmaths.com
Alevelmathsrevision.com
Mathsandphysicstutor.co.uk
Drfrost.co.uk