

KS5 Curriculum Map for A-Level Maths

The course follows the Edexcel syllabus. The Pure Maths content for AS/Year 12 is taught first before moving onto the Applied modules (Statistics and Mechanics). In Term 5, the content returns to Pure and is the start of the A2/Year 13 topics.

	Key:				
Year 12	Pure	Statistics	Mechanics		
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Algebraic Expressions	Differentiation	Trigonometric Identities and Equations	Representation of Data	Hypothesis Testing	Trigonometric Functions
Quadratic Functions	Integration	Exponentials and Logarithms	Correlation	Variable Acceleration	Inverse and Composite Functions
Equations and Inequalities	Vectors	Data Collection	Statistical Distributions	Radian Measure	
Binomial Expansion	Graphs and Transformations	Measures of Location and Spread	Probability	Partial Fractions	
Co-ordinate Geometry	Trigonometry	Modelling in Mechanics	Constant Acceleration	Proof	
Polynomial Division and the Factor Theorem		Constant Acceleration	Forces and Motion	Modulus Function	
			Variable Acceleration		

Assessment
Entry Test to check understanding of Summer preparation work
Unit Test after every module
October summative test
Summative Test on Pure content in middle of Term 3
Summative Test on Applied content (Stats and Mechanics) in Term 5
School Mock Exams in Term 6

The model for Year 13 mirrors that of Year 12, covering the Pure Maths content first before focusing on the Applied modules.

	Key:				
Year 13	Pure	Statistics	Mechanics		
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Trigonometric Identities	Integration	Regression and Correlation	Forces and Motion	Review and Exam Revision	
Binomial Expansions	Numerical Methods	Probability	Further Kinematics		
Parametric Equations	Vectors	Normal Distribution	Normal Distribution		
Differentiation		Moments			
Sequences and Series		Friction			
		Projectiles			

Assessment
Unit Test after every module
School Mock Exams in Term 2
School Mock Exams in Term 4
In-class Applied Mock in Term 4/5