'Our shared vision is that our students, colleagues and families will be part of a **FAIR** community.

We will support our school Family to Achieve their potential, and Inspire students to Reach the very best destinations.'



Maths Curriculum Overview

Year 7 Maths Curriculum Overview 2024/25

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Number (Negatives & Decimals)	Fractions	Algebraic Manipulation	Ratio	Solving Equations	Data Handling
Year 7	Factors, Multiples & Primes	Properties of Shapes	Units of Measure	Percentages	Sequences	Transformations
	Accuracy	Angles	Mensuration		Coordinates and Graphs	Probability

Year 8 Maths Curriculum Overview

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Number (Fractions & Decimals)	Mensuration	Algebraic Manipulation	Graphs	Solving Equations & Inequalities	Data Handling
Year 8	Factors, Multiples & Primes	Angles	Index laws	Ratio & Proportion	Percentages	Transformations
	Accuracy	Constructions	Sequences	Compound Units		Probability

Year 9 Maths Curriculum Overview

		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 9		Number (Indices and Standard Form)	Mensuration	Algebraic Manipulation	Graphs	Solving Equations & Inequalities	Data Handling
	ar 9	Factors, Multiples & Primes	Angles	Sequences	Ratio & Proportion	Percentages	Transformations
		Accuracy		Constructions			Probability

Year 10 Maths Curriculum Overview

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	 Primes, Factors and multiples Fractions and Decimals Algebraic Manipulation 	 Accuracy and Rounding Indices and Standard Form Mensuration 	 Geometric constructions and calculations Ratio and Proportion 	 Percentages Solving of Equations 	 Bivariate Data Exact Calculations Compound Units 	 Collecting, Organising, Presenting and Analysing Data 2D and 3D Representations

Year 11 Maths Curriculum Overview

		Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 11		 Geometric Review and Circle Theorems 	Graphs of Equations & Functions	TransformationsSimilar Shapes	Content and skills revisio	n	
		Probability and Set Theory	Iterative Methods	Vectors			
		 Sequences 					

Sixth Form Maths Curriculum Overview

Maths A level

	Term 1 Term 2	Term 3 Term 4	Term 5 Term 6	
Year 12	 Quadratic Functions Equations & inequalities Co-ordinate geometry Kinematics Polynomials Vectors 	 Forces & Newton's laws Differentiation Integration Variable Acceleration 	 Trigonometry Algebra review 2 Kinematics Differentiation 	
	 Surds & Indices Data collection, processing, presentation & interpretation Probability Trigonometry The Binomial expansion The Binomial distribution 	 Statistical hypothesis testing using the Binomial distribution Graphs & transformations Exponentials & logarithms Problem solving 	 Sequences & series Algebra review 1 Functions Trigonometric functions 	
Year 13	 Term 1 Sine & cosine rules review Proof Further differentiation Force & motion Integration Moments of forces 	 Parametric equations Projectiles A model for friction 	Term 5 Term 6	
	 Working with data review Probability Further Algebra Trigonometric identities Co-ordinate geometry review Statistical distributions 	 Statistical hypothesis testing Differential equations Vectors Numerical methods 		

Further Maths A level

	Term 1 Term 2	Term 3 Term 4	Term 5 Term 6	
Year 12	 Matrices & transformations Sequences & series Matrices & their inverses Vectors & 3D space 	 Discrete Random Variables Discrete probability distributions Bivariate data – correlation coefficients Bivariate data – regression lines Chi-squared tests 	Post AS Exams Kinematics Forces & motion A model for friction Moments of forces Work, energy & power Impulse & momentum Centre of mass Dimensional analysis	
	 Algorithms Modelling with graphs & networks Network Algorithms Further Network problems Linear Programming Simplex method Reformulating networks as LP 	 Introduction to complex numbers Roots of polynomials Complex numbers & geometry 		
	Term 1 Term 2	Term 3 Term 4	Term 5 Term 6	
Year 13	 Vectors 1 Review: Matrices Matrices Revision of Statistics minor Revision of Mechanics minor 	 Further calculus Maclaurin series Hyperbolic functions Applications of Integration Vectors 2 	Revision and exam preparation	
	 Series & Induction Polar co-ordinates Review: Complex numbers Revision of MWA 	 Review: Roots of polynomials First order differential equations Complex numbers Second order differential equations 		

Level 3 Certificate in Mathematical Studies (Core Maths : One year course)

	Term 1 Term 2	Term 3	Term 4	Term 5	Term 6
	Maths for personal financeAssumed subject content	EstimationCritical analysis of given data and models		Exam preparation	
	7 issumed subject content				
Year 12					
	a Analysis of John	Dual-ahilitia a ad			
	Analysis of dataThe Normal distribution	Probabilities andCorrelation and r			