SHS Mathematics Department Curriculum Map 2025-2026

Year		Term 1	Term 2		Term 3	Term 4	Term 5		Term 6	
7		Number (+-÷×), Geometry Algebra	Decimals, best buy (CAT 1), 2D shapes, types of numbers		Transformations, BIDMAS, estimations, equations (CAT2)	Fractions, units, 2D shapes, angles, averages (CAT 3)	Ratio, 3D shapes, probability	EOY exams wc 12/05	**Sequences,** Distance time diagrams, presenting data.	
8		Calculators, directed numbers, linear graphs	Averages, scatter diagrams. (CAT 1) Transformations, indices, HCF and LCM		Pythagoras`s Theorem (CAT 2). Percentages. Equations.	Congruent shapes. Data 1 Area and perimeter incl. Circles. (CAT 3)	Formulae, Bearings, Distance time diagrams, Presenting data		3D shapes. Accuracy. Sim equations Probability	
9		U1. Properties of number, indices roots and standard form.	U2. Algebra, simplifying expressions, linear equations, sequences.		U3. Data, averages and range, representing, scatter diagrams.	U4. Fractions, percentages, ratio and proportion.	U5. Polygons, angles, Pythagoras and Trigonometry.		U6. Linear and real-life graphs, coordinate geometry	
10		U6. Linear real-life graphs, coordinate geometry	U7. Perimeter, area, volume and accuracy		U8. Transformations and constructions	U9. Quadratics, inequalities and simultaneous eq.s	U10. Probability		EOY	U11. Multiplicative reasoning.
11		U12 Similarity and congruence, U13 Graphs and Further Trig.	U14 Collecting and presenting Data.	MOCKS	U15 Quadratics, U16 Circle Theorems	U17 Formulae and algebra, U18 Vectors,	U19 Graphs, inverse and direct proportion. REVISION		**EXTERNAL EXAMINATIONS**	
12 Core	1	Basic skills revision. Maths for Personal Finance including percentages, interest rates and taxation. Estimation. Critical Analysis.							**EXTERNAL EXAMINATIONS**	
	2	Analysis of data. Statistical techniques including the Normal Distribution. Probabilities and estimation. Correlation and regression.								
12 Single	1	PURE 1: Algebra and functions. Co-ordinate geometry. Further algebra	PURE 1: Trigonometry. Vectors in 2 dimensions.		PURE 1: Differentiation. Integration. Exponentials and logarithms.	APPLIED 1 (Statistics): Sampling. Data presentation and interpretation. Probability. Distributions. Hypothesis testing.		EOY Exam wc 23/04	PURE 2: Proof. Algebraic and partial fractions. Functions and modelling.	
	2					APPLIED 1 (Mechanics): Quantities and units. Kinematics/SUVAT (constant acceleration). Forces and Newton's laws. Kinematics (variable acceleration)				
13 Single	1	PURE 2: Series and sequences. The binomial theorem. Trigonometry	PURE 2: Differentiation. Integration.	MOCKS	PURE 2: Parametric equations, Numerical methods. Vectors.	APPLIED 2 (Statistics): Regression and correlation. Conditional probability. The Normal distribution.			**EXTERNAL EXAMINATIONS**	
	2					APPLIED 2 (Mechanics): Moments. Forces at any angle. Applications of kinematics and forces. Further kinematics.				
12 Further	1	PURE 1 and APPLIED 1*			PURE 2 and APPLIED 2*			EOY Exams	Core Pure 1	
	2								Further Stats 1	
	3								FM 1	
13 Further	1	Core Pure 1 Further Statistics 1 Further Mechanics 1		MOCKS	**MOCKS** Core Pure 2, Further Statistics 1, Further Mechanics 1				**EXTERNAL EXAMINATIONS**	
	2									
	3									

Within each Key Stage, every module completed is summarised and moderated by an assessment in the form of a Common Assessed Task. There exists a set of grade boundaries within each Key Stage which directly correlates to the associated examination series.