

Maths Curriculum Map 2023-24

Our curriculum is designed to develop confidence, skills and understanding of Mathematics by constantly building on prior learning. The foundations laid at each stage inspire a love and curiosity for greater knowledge, giving our students breadth as well as depth in their school career.

Term	Autumn Term 2023										Spring Term 2024										Summer Term 2024																					
	Term 1a					Term 1b					Term 2a					Term 2b					Term 3a			Term 3b																		
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39			
Year 7	Number Revision	Revision Assessment Week	Unit 2: Addition, Subtraction	Unit 2: Money, Factors, Multiples, Primes	Unit 3: Functions & Expressions	Unit 1: Averages, Data, Charts, Graphs	Unit 4: Decimals, Measures, Area, Perimeter	Unit 5: Fractions	Unit 6: Probability	Recovery	Unit 7: Ratio & Proportion	Unit 8: Angles	Unit 9: Sequences	Revision	INTERNAL EXAMS	Unit 10: Congruency & Transformations	Unit 10: Congruency & Transformations	Unit 10: Congruency & Transformations	Unit 1: Calculations, Powers, Roots, Brackets	Unit 2: Area, Volume, Nets, Plans, Surface Area	Revision	Assessment	Unit 3: Pie Charts, Stem & Leaf	Unit 4: Powers, Brackets, Factoring	Year 7	Year 8	Year 9 H	Year 9 F	Year 10 H	Year 10 F	Year 10 SEND	Year 11 H	Year 11 F	Year 11 (28/3A)	Year 11 SEND	Year 12	Year 12FM	Year 13	Year 13FM			
Year 8	Unit 5: Graphs, D&T, Conversion, Real Life	Unit 6: Decimals, Rounding	Unit 7: Angles, alternate, corresponding, parallel, interior	Unit 8: Fractions	Revision	Assessment	Unit 8: Fractions	QLA	Unit 9: Straight Line Graphs	Unit 10: Fractions & Proportions, Percentages	Recovery	Revision	INTERNAL EXAMS	Unit 1: Indices & Estimates	QLA	Unit 1: Indices & Estimates	Unit 2: Solving Equations, Substituting, Formulae, Indices, Brackets	Unit 3: Data & Averages	Unit 4: Multiplicative Reasoning	Unit 6: Sequences	Revision	Assessment	Unit 7: Circles, Areas & Circumference	QLA	Unit 7: Circles, Areas & Circumference	Unit 8: Straight Line Graphs	Unit 9: Probability	Year 7	Year 8	Year 9 H	Year 9 F	Year 10 H	Year 10 F	Year 10 SEND	Year 11 H	Year 11 F	Year 11 (28/3A)	Year 11 SEND	Year 12	Year 12FM	Year 13	Year 13FM
Year 9 H	1. Number				2. Algebra				Revision & Assessment		3. Statistical diagrams		QLA	3. Statistical Graphs, tables and Charts			4. Fractions, Ratio & Percentages		Revision & Assessment		5. Angle, Pythagoras & Trigonometry (right angled triangle only)					6. Graphs			7. Area & Volume			Internal exam		8. 3D solids								
Year 9 F	4. Fractions, Ratio & Percentages				5. Equations, Inequalities and sequences				6. Angles			7. Averages & Range			Internal exam		8. Perimeter & Area of Rectangles, Parallelograms & Triangles																									
Year 10 H	8. Transformations & Construction				9. Equations		Revision & Assessment		9. Equations		9. Equations & Inequalities		10. Probability			11. Multiplicative reasoning		12. Congruency		12. Similarity			13. Trigonometry			13. Trigonometry		14. Statistics														
Year 10 F	8. Area & Volume		9. Graphs		Revision & Assessment		9. Graphs		QLA		10. Transformations		11. Ratio & Proportion			12. Right angled Triangles		Revision, Internal exam, QLA					12. Right angles Triangles		13. Probability			Revision & assessment		14. Multiplicative Reasoning												
Year 10 SEND	Transformations & Order Decimals, Half Way Numbers, Bidmas		ELC preparation & assessment				ELC		ELC		11. Ratio			Product of primes		Index laws		Simplify expressions (expand brackets)		Probability		Factoring		Recovery		Compound measure		2 way tables, Freq trees, piegrams		15. 3D solids		Fractions		17. Circumference		17. area of circle		Fractions		Solve equations		
Year 11 H	15. Equations and Graphs				16. Circle Theorems		16. Circle Theorems		17. Algebraic fractions & functions				17. functions		18. Vectors		19. Proportion & Graphs			External Exams																						
Year 11 F	15. Construction, Loc, Bearings				16. Quadratic equations		16. Quadratic equations		17. Perimeter, Area & Volume 2				18. Fractions, indices, Standard form		19. Congruence, similarity & vectors			20. Algebra		External Exams																						
Year 11 (28/3A)	Retention: Numerical Indices, HCF & LCM		Retention: Simplifying Expressions, Form Substitution		Retention: Expand/Fact. Brackets, Form Expressions		Retention: Two Way Tables, Stem and Leaf, Pictograms		Retention: Simplify, Compare, Add, Subtract Fractions		Revision & Assessment		Retention: Mixed Numbers, Multiply / Divide Fractions		QLA		Retention: Convert Between FDP, Fractions of Amounts		Retention: % of Amounts, Simp Int, Mixed FDP Probs		Retention: Solve Linear Equations		Retention: Two Linear Equations		Retention: Averages inc. Frequency Tables		Retention: Averages inc. Frequency Tables		Retention: Sequences inc. Simp. Geo and Fib		Retention: Angles in Parallel Lines, Polygons		Retention: Area (inc. Trapezia), Comp. Shapes, Vol		Retention: Transformations		past papers		External Exams			
Year 11 SEND	Retention: Factors, Multiples and Primes		Retention: Ord Numbers, Place Value and Rounding		Retention: Simplifying Expressions, Substitution		Retention: Expanding Single Brackets, Use Formulae		Retention: Equivalent Fractions, Simplifying Fractions		Revision & Assessment		Retention: Compare Fractions, Add/Subtract Fractions		Retention: Fractions of Amounts, Multiply/Divide Fracs		Retention: Convert Between FDP, % of Amounts		Retention: Simple Linear Equations		Retention: Simple Linear Equations		Retention: Area and Perimeter		Retention: Area and Perimeter		Retention: Simple Sequences inc. Pictorial		Retention: Angles on a Straight Line, Triangle, Point		Retention: Averages from a List		Retention: Coordinates		Retention: Probability inc. Number Line		One mark questions		past papers		External Exams	
Year 12	Algebra 1		Assessment and Review				Algebra 1				Polynomials and Binomial Theorem				Trigonometry		Differentiation and Integration			Assessment and Review		Differentiation and Integration		Exponentials and Logarithms			Algebra 2		Revision, Internal Exams, Review													
Year 12FM	Complex Numbers 1		Assessment and Review				Complex Numbers 1		Matrices 1		Algebra and Series				Vectors 1		Forces and Energy		Integration		Momentum		Assessment and Review		Curve Sketching 1		Circular Motion		Complex Numbers 2		Series		Revision, Internal Exams, Review									
Year 13	Algebra 2		Sequences				Trigonometric Identities		Trigonometric Identities				Differentiation 2				Differentiation 2		Integration and Differential Equations			External Exams																				
Year 13FM	Series		Curve Sketching 2				Matrices 2		Circular Motion 2		Integration 2				Centres of Mass and Stability		Centres of Mass and Stability			Differential Equations		Numerical Methods		Motion in 2D		External Exams																
Year 13FM	Graphs and Networks 2				Critical Path Analysis 2				Linear Programming and Game Theory 2				Group Theory		Group Theory			Graphs and Networks 2		Vectors 2			External Exams																			