

# KS4 Maths

Class Group	Autumn Term		Spring Term		Summer Term	
	First half	Second half	First half	Second half	First half	Second half
Year 10F	Ratio and proportion (6) Properties of polygons (2) Equations (6) Indices (4) Standard Form (4) Basic Probability (6)	Transformations (8) Congruence and Similarity (4) 2D representations of 3D shapes (4) Calculating with percentages (4) Measures (4) End of topic assessment (1)	Statistical Measures (6) Constructions and Loci (6) Probability (7) Volume (8) End of topic assessments (1)	Algebra: Quadratics, rearranging formulae and identities (8) Inequalities (4) Algebra and graphs (10)  End of topic assessment (1)	Direct and inverse proportion (8) Trigonometry (8) Sketching graphs (6)	Revision Mock exams (3)
Year 10H	Review of Basic Fractions, Decimals and Percentages (6) Calculating with percentages (6) Ratio and proportion (8) Measures (8) End of topic assessment (1)	Surds (8) Indices (4) Statistical measures (7) Properties of polygons (7) End of topic assessment (1)	Congruence and similarity (7) Pythagoras theorem and basic trigonometry (8) Simultaneous equations (7) End of topic assessment (1)	Probability (8) Algebra: Quadratics and rearranging formulae (6) Circumference and area (6) End of topic assessment (1)	Volume (7) Linear and quadratic equations and their graphs (7) Sketching graphs (4) End of topic assessment (1)	Inequalities (4) Direct and inverse proportion (8) Number recap and review (3) Statistics recap and review (3) Algebra recap and review (3) Geometry measures recap and review (3) End of year assessments (3)
Year 11G	Probability (6) Volume (6) Algebra: Quadratics, rearranging formulae and identities (8) Scatter graphs (4)	Inequalities (4) Pythagoras' Theorem (4) Simultaneous Equations (8)	Algebra and graphs (4) Sketching graphs (4) Direct and inverse proportion (8) Trigonometry (8)	Solving quadratic equations (8) Quadratic graphs (6) Growth and decay (6) End of topic assessment (1)	Vectors (8) Revision and exams (16)	Revision and exams (8)

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	End of topic assessment (1)	Algebra and graphs (4) Mock exams (3)	End of topic assessment (1)			
Year 11P	Basic Algebra Angles Perimeter and Area Sequences Factors and Multiples Probability	Fractions Percentages Percentages/Fractions/Decimals Ratio Mock Exams	Volume Coordinates and Straight line graphs Solving Equations Solving Inequalities Pythagoras Theorem	Transformations (rotation, reflection, enlargement, translation) Bearings Constructions	Indices Standard Form Scatter graphs Number skills for no calculator paper Revision	Preparing for GCSE exam
Year 11Y	Algebra: further quadratics, rearranging formulae, and identities (6) Trigonometry recap and extension (6) Growth and decay (3)	Mock examinations 1 Equation of a circle (3) Further equations and graphs (6) Direct and inverse proportion (6)	Inequalities (3) Vectors (6) Further sketching graphs (3) Mock examinations 2	Sine and cosine rules (5) Transforming functions (4) Numerical methods (3) Circle theorems (5)	Algebraic fractions (3) Revision: Show that... More revision and exams	Revision and exams
Epsilon (SEN) Entry Level	Properties of number <ul style="list-style-type: none"> <li>Recognise, read, write and order numbers up to 1,000</li> <li>Understand place value in 3-digit numbers (hundreds, tens, ones)</li> <li>Compare and order numbers</li> </ul>	The 4 Operators <ul style="list-style-type: none"> <li>Addition and subtraction of 2-digit and 3-digit numbers</li> <li>Multiplication of a 2-digit number by a 1-digit number</li> <li>Introduction to division using grouping and sharing</li> </ul> <p>Apply all operations in simple word problems</p>	Fractions and Proportional Thinking <ul style="list-style-type: none"> <li>Focus on recognising and working with fractions</li> <li>Simple proportional reasoning (e.g. doubling recipes, sharing between people)</li> </ul>	Money <ul style="list-style-type: none"> <li>Recognise coins and notes</li> <li>Add and subtract amounts of money</li> <li>Find change</li> <li>Solve simple money problems (shopping scenarios)</li> </ul>	Calendar and time <ul style="list-style-type: none"> <li>Read and write time using an analogue clock, including Roman numerals I–XII</li> <li>Understand and convert between the 12-hour and 24-hour clock</li> <li>Tell and write the time to the nearest 5 minutes</li> </ul>	Measures <ul style="list-style-type: none"> <li>Measure, compare and add: <ul style="list-style-type: none"> <li>Lengths (metres, centimetres)</li> <li>Mass/weight (kilograms, grams)</li> <li>Capacity/volume (litres, millilitres)</li> </ul> </li> <li>Use appropriate</li> </ul>

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	Round numbers to the nearest 10 or 100				<ul style="list-style-type: none"><li>• Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon, midnight</li><li>• Read and interpret simple calendars (days, weeks, months)</li></ul>	units and tools (rulers, scales, measuring jugs)
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