



## Mathematics Higher Pathway – Curriculum Overview - 2023-2024

Year Group	Autumn Term	Spring Term	Summer Term
7	Unit 1: Expressions & Formulae  Unit 2: Area & Perimeter  Unit 3a: Manipulating Number  Unit 3b: Number Calculations  Unit 4: Factors, Multiples, Primes	Unit 5: Angles & 2D shapes  Unit 6: Fractions Decimals and Percentages  Unit 7: Ratio & Proportion  Unit 8: Equations & Formulae	Unit 9: Fractions  Unit 10: Transformations  Unit 11: Sequences  Unit 12a: Averages  Unit 12b: Interpret Charts and Graphs
8	Unit 1: Area & Perimeter  Unit 2a: Manipulating Number  Unit 2b: Number Calculations  Unit 3: Angles in parallel lines	Unit 4: Fractions, Decimals, Percentages  Unit 5: Expressions & Formulae  Unit 6: Factors, Multiples, Primes  Unit 7: Equations & Formulae	Unit 8: Fractions – multiplication & division  Unit 9: Constructions  Unit 10: Straight line graphs
9	Unit 1: Represent & interpret data  Unit 2: Percentages  Unit 3: Angles in polygons  Unit 4: Pythagoras' Theorem	Unit 5: Sequences  Unit 6: Compound measures  Unit 7: Perimeter, area and volume	Unit 8: Similar shapes  Unit 9: Trigonometry  Unit 10: Ratio & proportion  Unit 11: Probability



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<b>10</b>	<p>H01a: Calculations, Checking &amp; Rounding</p> <p>H01b: Indices</p> <p>H01c: Factors, Multiples, Primes, Standard Form and Surds</p> <p>H02a: Algebra the basics</p> <p>H02b: Sequences</p> <p>H03a: Averages and the Range</p> <p>H03b Representing &amp; Interpreting data</p> <p>H04a: Fractions &amp; Percentages</p> <p>H04b: Ratio &amp; Proportion</p> <p>H05a: Polygons, Angles &amp; Parallel Lines</p>	<p>H05b: Pythagoras &amp; Trigonometry</p> <p>H06a: Graphs the Basics and Real-Life Graphs</p> <p>H06b: Linear Graphs and Coordinate Geometry</p> <p>H06c Quadratics, Cubics and Other Graphs</p> <p>H07a: Perimeter, Area and Circles</p> <p>H07b: 3D forms and Volume, Cylinders, Cones and Spheres</p>	<p>H07c: Accuracy and Bounds</p> <p>H08a: Transformations</p> <p>H08b: Constructions, Loci &amp; Bearings</p> <p>H09a: Solving Quadratic and Simultaneous Equations</p> <p>H09b: Inequalities</p>



<b>11</b>	<p>H11: Multiplicative Reasoning</p> <p>H12: Similarity and Congruence</p> <p>H13a: Graphs of Trigonometric Functions</p> <p>H13b: Further Trigonometry</p>	<p>H14: Cumulative Frequency &amp; Histograms</p> <p>H15: Further Graphs</p> <p>H16: Circle Theorems</p> <p>H17: Further Algebra</p> <p>H18: Vectors and Geometric Proof</p> <p>H19: Direct and Inverse Proportion</p>	<p>Revision/Exams</p>
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**Weekly Extra-Curricular Provision:**

Sparx Maths Club