

Maths Year 9 Curriculum Map

	Term 1 (September – December)	Term 2 (January – March)	Term 3 (April – July)
Year 9 THEMES	<p>Number Algebra Statistics</p>	<p>Number Geometry and measures Algebra</p>	<p>Geometry and measures Probability Ratio</p>
<p>Build on prior knowledge gained in Year 7 & Year 8</p> <p>Understand the Foundations of GCSE Maths</p> <p>Develop reasoning and problem solving in all areas</p> <p>Develop confidence and fluency across all disciplines</p>	<p><u>Unit 1: Number and Calculating</u> Number basics, BIDMAS, calculate with positive and negative integers, powers and roots, indices laws, standard form, special types of numbers</p> <p><u>Unit 2: Algebra Basics</u> Use algebraic notation, substitution, expand and simplify linear and quadratic expressions</p> <p><u>Unit 3: Rounding and Estimation</u> Rounding, estimating, bounds and truncations</p> <p><u>Unit 4: Representing Data</u> Tables, frequency trees, charts and diagrams, time series graphs, scatter graphs and correlation, types of data and sampling</p>	<p><u>Unit 5: Fractions, Decimals and Percentages</u> Equivalent fractions, calculate with, order and compare fractions, decimals and percentages</p> <p><u>Unit 6: Angles and 2D Shapes</u> Parallel and perpendicular lines, 2D shapes, measure, draw and calculate angles, bearings</p> <p><u>Unit 7: Solving Equations and Rearranging</u> Solve linear, quadratic, simultaneous equations and inequalities, rearrange formula</p>	<p><u>Unit 8: Area, Perimeter, Volume and 3D Shapes</u> Circles, perimeter/circumference and area, surface area and volume, 3D drawing</p> <p><u>Unit 9: Probability</u> Comparing theoretical probability and relative frequency, using tree and Venn diagrams</p> <p><u>Unit 10: Ratio and Scale</u> Simplify and use ratio and fractions, use maps and scales, similar shapes</p>
Assessment	<p>4 end of unit checkpoints One in-class open book GCSE Paper One formal GCSE assessment (1 hour)</p>	<p>3 end of unit checkpoints One in-class open book GCSE Paper One formal GCSE assessment (1 hour)</p>	<p>3 end of unit checkpoints One in-class open book GCSE Paper One formal GCSE assessment (1 hour)</p>