

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