



	Year 10		Year 11	
Term	<p><b>Units</b></p> <p>In Key Stage 4, students develop and apply more sophisticated methods in Number, Geometry, Algebra and Data Handling</p>	<p><b>Assessments</b></p> <p>These take place towards the end of each half term. Marks are recorded on Go4Schools.</p>	<p><b>Units</b></p> <p>In Key Stage 4, students develop and apply more sophisticated methods in Number, Geometry, Algebra and Data Handling.</p>	<p><b>Assessments</b></p> <p>Students take a full GCSE mock exam at the end of each term in year 11.</p>
Autumn	<p><b>Data Handling</b></p> <p>Sampling data Average and spread Statistical graphs Cumulative frequency</p>	<p><b>Data Handling</b></p> <p>Classroom based assessment (1 hour)</p>	<p><b>Number</b></p> <p>Calculation Number structure Laws of indices Standard form Surds</p>	<p><b>GCSE Mock Exam 1</b></p> <p>Formal Assessment in exam halls.</p>
	<p><b>Proportional Reasoning</b></p> <p>Fractions and decimals Ratio and Percentage Direct and inverse proportion</p>	<p><b>Proportional Reasoning</b></p> <p>Classroom based assessment (1 hour)</p>	<p><b>Quadratics</b></p> <p>Brackets and factorising Quadratic equations Quadratic graphs Iteration</p>	

<b>Spring</b>	<b>Linear Algebra</b> Algebraic manipulation Equations and formulae Inequalities Simultaneous equations Graphs	<b>Linear Algebra</b> Classroom based assessment (1 hour)	<b>Trigonometry</b> Pythagoras Theorem Trigonometry Sine and cosine rules Trig graphs	<b>GCSE Mock Exam 2</b> Formal Assessment in exam halls.
	<b>Probability</b> Multiple events Mutual exclusivity Venn diagrams Relative frequency Tree diagrams		<b>Further Algebra</b> Algebraic fractions Circle equations Functions Transformation of graphs	
<b>Summer</b>	<b>Geometry</b> Properties of shapes Circle theorems Geometrical proof	<b>Geometry</b> Classroom based assessment (1 hour)	<b>GCSE revision</b> Full programme of revision including after school classes and past papers	<b>GCSE Examination</b> Formal Assessment in exam halls.
	<b>Measure</b> Surface area & volume Circles, arcs and sectors Cylinders, pyramids and spheres.	<b>End of Year Examination</b> Formal Assessment in exam halls.		
	<b>Transformations</b> Transformations Similarity Congruence and proof Loci and inequalities			