



## Mathematics Curriculum

	Term 1		Term 2		Term 3	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>YEAR 7</b>	Four rules of number Rounding Powers and roots Decimals Simplifying expressions Solving equations Sequences nth term	Metric conversion Area Perimeter Surface area Volume Averages and range Bar charts Pie charts Frequency diagrams Scatter Graphs	Prime factors HCF & LCM Fractions Percentages Converting FDP Expanding brackets Substitution Factorise Formulae	Measuring and drawing angles Angle calculations Parallel lines Polygons Simple Loci Coordinates Probability Listing outcomes	Ratio Direct Proportion Scale drawings Plotting graphs Straight line graphs Distance time graphs. Conversion graphs Constructions Interior and exterior angles	Transformations Similar shapes Congruent shapes Tessellations
<b>YEAR 8</b>	Four rules of number Rounding Powers and roots Decimals Bounds Simplifying expressions Solving equations	Metric conversions 3D shapes Area Perimeter Surface area Volume Number sequences Scatter graphs. Pie charts	Prime factors HCF & LCM Fractions Percentages Percentage increase/decrease Expanding brackets Substitution. Formulae Factorise	Measuring and drawing angles Angle calculations Properties of triangles Interior and exterior angles Coordinates Probability Listing outcomes Sample space diagrams	Ratio Scale drawings. Direct proportion Linear graphs Distance time graphs Transformations	Loci and constructions Bearings
<b>YEAR 9</b>	Number properties Fractions	Statistical diagrams Algebraic manipulation Angles	Angles continued Ratio and proportion	Perimeter and area Linear graphs	Probability Right-angled triangles Number and Sequences	Transformations Equations
<b>YEAR 10</b>	<b>Foundation:</b> Number Fractions and Percentages  <b>Higher:</b> Surds, Indices, and bounds Graphs	<b>Foundation:</b> Graphs, tables, and charts Equations and inequalities  <b>Higher:</b> Further Area, Volume and Transformations	<b>Foundation:</b> Equations and inequalities continued Perimeter, Area, and Volume  <b>Higher:</b> Equations and inequalities Probability	<b>Foundation:</b> Graphs Right-angled triangles  <b>Higher:</b> Probability continued Multiplicative reasoning Congruence and similarity	<b>Foundation:</b> Probability Construction, loci, and bearings  <b>Higher:</b> Congruence and similarity continued More Trigonometry	<b>Foundation:</b> Quadratic equations and graphs Exam feedback  <b>Higher:</b> Further statistics Equations and Graphs Exam feedback
<b>YEAR 11</b>	<b>Foundation:</b> Congruence, similarity and vectors Perimeter, Area & Volume 2  <b>Higher:</b> Equations and graphs Circle Theorems More algebra	<b>Foundation:</b> More Algebra - cubic & reciprocal graphs, simultaneous equations  <b>Higher:</b> Vectors and proof Proportion and graphs Graphs: transformations, exponential, estimate area, equation of tangent	Revision  <b>Higher:</b> Calculating with bounds Revision	Revision	Revision Exams	Exams