

Maths Curriculum Plan – Overview

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	<ul style="list-style-type: none"> Algebra Basics Long Division Ratio and proportion Translating and Reflecting shapes Pie charts 	<ul style="list-style-type: none"> Mental Maths Calculations Money and Time Expressions Formulae 	<ul style="list-style-type: none"> Units of measure Decimals Area and Perimeter Probability 	<ul style="list-style-type: none"> Fractions Percentages Writing Ratios Using Ratios Direct Proportion 	<ul style="list-style-type: none"> Measuring and drawing Angles Triangles Quadrilaterals Sequences 	<ul style="list-style-type: none"> Coordinates Straight Line Graphs Congruency Symmetry Transformations
8	<ul style="list-style-type: none"> LCM and HCF Ratio and Proportion Lines and angles Analysing Data Number skills 	<ul style="list-style-type: none"> Calculations Divisibility Negative integers Powers and roots Multiples and factors Area and Volume 	<ul style="list-style-type: none"> Expressions with indices Expressions with brackets Factorising expressions Solving equations 	<ul style="list-style-type: none"> Decimals Ratio and proportion with decimals Fractions Percentages 	<ul style="list-style-type: none"> Gradients Equations of straight-line graphs Proportion and Graphs Using graphs to solve problems 	<ul style="list-style-type: none"> Lines and angles Angles in polygons Geometric problems Percentages of amounts
9	<ul style="list-style-type: none"> Algebra with indices Lines and angles Geometric problems Equation of line graphs Decimals and Percentages 	<ul style="list-style-type: none"> Index laws Indices with brackets Estimation Solving equations Substitution in expressions Formulae 	<ul style="list-style-type: none"> Arithmetic Sequences Geometric and Quadratic Sequences Inequalities Proportion 	<ul style="list-style-type: none"> Probability Venn Diagrams Collecting Data Displaying Data Averages 	<ul style="list-style-type: none"> Using equation of graphs Non-linear graphs Circles Volume and Surface area of Prisms 	<ul style="list-style-type: none"> Similarity and congruence Constructions Multiplicative reasoning Compound Measures

<p>10</p>	<ul style="list-style-type: none"> · Algebra · Problem solving with Algebra · Inequalities · Similar and Congruent shapes · Pythagoras · Trigonometry 1 	<ul style="list-style-type: none"> · Simultaneous Equations · Standard form · Surd notation · Real-life word problems · Probability · Set Notation 	<ul style="list-style-type: none"> · Compound measures · Arithmetic Sequences · Geometric and Quadratic Sequences · Bounds · Collecting Data 	<ul style="list-style-type: none"> · Displaying Data in tables · Displaying Data in Charts · Mean · Median · Mode 	<ul style="list-style-type: none"> · Angles and Polygons · Perimeter · Area · Volume · Transformations 	<ul style="list-style-type: none"> · Constructions · Loci · Bearing · Circles
<p>11</p>	<ul style="list-style-type: none"> · Simultaneous Equations · Quadratic Equations · Quadratic Graphs · Vectors · Transformations · Trigonometry 1 and Pythagoras Theorem 	<ul style="list-style-type: none"> · Algebraic proofs · Functions · Linear Sequences · Quadratic and Special Sequences · Approximate Calculations · Ratio and Proportion 	<ul style="list-style-type: none"> · Counting Strategies · Compound Changes · Trigonometry 2 · Trigonometry graphs 	<ul style="list-style-type: none"> · Algebraic fractions · Further Graphs · Transforming Graphs · Iteration · Revision 	<ul style="list-style-type: none"> · Revision 	<ul style="list-style-type: none"> · Exams