

Maths Key Stage 3 Curriculum Overview The curriculum differs according to student groupings

Year 8	Autumn	Spring	Summer
Target Grade 4 and 5	<ul style="list-style-type: none"> Pythagoras Simplifying Expressions Indices & Standard Form Writing and solving equations Inequalities Averages from Grouped Data Factor Trees Probability Speed & Compound Measures Fractions Plotting Graphs Iteration (Trial & Improvement) Distance Time Graphs Percentages 	<ul style="list-style-type: none"> Written Calculations Venn Diagrams & Frequency Trees Loci Angles in Regular Polygons Trigonometry Similar Shapes Simultaneous Equations 	<ul style="list-style-type: none"> Enlargement, Translation & Reflection Ratios Quadratic Expressions 3-D Shapes Straight Line Graphs Formulas and Equations of Motion Circles Quadratic Sequences Proportionality
Target Grade 3 and 4	<ul style="list-style-type: none"> Pythagoras Simplifying Expressions Bearings Writing and solving equations Construction Pie Charts Factor Trees Probability Speed & Compound Measures Scatter Graphs Fractions Distance Time Graphs Rounding & Estimating Percentages with Calculators 	<ul style="list-style-type: none"> Percentages with Calculators Written Calculations Venn Diagrams & Frequency Trees Plans & Elevations Angle Rules Loci Sequences Stem & Leaf Diagrams Area Equations 	<ul style="list-style-type: none"> Enlargement and Translation 3-D Shapes Ratios Straight Line Graphs Formulas and Equations of Motion Circles Nets & Surface Area Frequency Polygons
Target Grade 2 and 3	<ul style="list-style-type: none"> Simplifying Expressions Negative Numbers Constructions Pie Charts Factor Trees Properties of Number Probability Symmetry Scatter Graphs Fractions Rounding & Estimation Distance Time Graphs Fraction/Decimal/Percentage/Ratio Conversions 	<ul style="list-style-type: none"> Percentages with Calculators Averages & Range Plans & Elevations Angle Rules Bearings Sequences Stem & Leaf Diagrams Area Equations 	<ul style="list-style-type: none"> Translation/Enlargement 3-D Shapes Ratio & Proportion Co-ordinates and Graphs Formulas and Equations of Motion Circles Nets & Surface Area Frequency Polygons
Target Grade 1a and 2	<ul style="list-style-type: none"> Tables & Charts Rounding and Place Value Negative Numbers Simplifying Expressions Scales and Graphs Probability Language of Shapes Symmetry Metric Conversions Fraction/Decimal/Percentage Conversions 	<ul style="list-style-type: none"> Time Averages & Range Fractions Angles Rules Number Properties Sequences Stem & Leaf Diagrams Area & Perimeter Equations 	<ul style="list-style-type: none"> 3-D Shapes Ratio & Proportion Translation Enlargement Co-ordinates Formulas BIDMAS
Target Grade 1a and 1b	<ul style="list-style-type: none"> Rounding and Place Value Tables & Charts Units of Measurement & Reading Scales Introduction to Probability Language of Shapes Co-ordinates and Symmetry Metric Conversions Fraction/Decimal/Percentage Conversions Time and Calendars 	<ul style="list-style-type: none"> Calculating Averages Measuring Lengths and angles Conversion Graphs Using letters to represent Numbers Sequences Area & Perimeter Number fluency 	<ul style="list-style-type: none"> Basic Formulas 3-Dimensional Language Algebraic Expressions Number fluency Consolidation