

Curriculum Outline 2016-17: MATHEMATICS

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	<ul style="list-style-type: none"> Place Value Addition & Subtraction Perimeter Angles 2D Shapes 	<ul style="list-style-type: none"> Multiples & Factors Written Multiplication Transformations Introduction to Fractions Written Division & Mental Calculations 	<ul style="list-style-type: none"> Rounding & Negative Numbers Area 3D Shapes Imperial & Metric Units of Measurement Ratio & Proportion (using measures) 	<ul style="list-style-type: none"> Fractions Powers of 10 Line Graphs Roman Numerals 	<ul style="list-style-type: none"> Rounding Fractions & Decimals Percentages Angle Problems Volume 	<ul style="list-style-type: none"> Number patterns & Relationships Multiplication & Division (problem solving) Calculating with fractions Fractions, Decimals & Percentages Time & Timetables
Year 6	<ul style="list-style-type: none"> Place Value Rounding Addition & Subtraction Written Multiplication Written Division & BIDMAS 2D Shapes Angles 	<ul style="list-style-type: none"> Factors, Multiples & Primes Volume Equivalent Fractions Negative Numbers & Time Metric Measures 	<ul style="list-style-type: none"> Place Value & Rounding Powers of 10 Decimal Multiplication & Division Perimeter & Area Charts, Graphs & Averages 	<ul style="list-style-type: none"> Add & Subtract fractions Multiply & Divide fractions 3D Shapes & Circles Ratio & Proportion 	<ul style="list-style-type: none"> Co-ordinates & Transformations Estimating & Problem Solving Converting Measures Fractions, Decimals & Percentages 	<ul style="list-style-type: none"> Money week Investigative activity Enrichment Algebra
Year 7	<ul style="list-style-type: none"> Analysing & Displaying data Calculating 	<ul style="list-style-type: none"> Expressions, Functions & Formulae Graphs 	<ul style="list-style-type: none"> Factors & Multiples Decimals & Measures 	<ul style="list-style-type: none"> Angles & Lines 	<ul style="list-style-type: none"> Measuring & Shapes Fractions, Decimals & Percentages 	<ul style="list-style-type: none"> Transformations
	<ul style="list-style-type: none"> Analysing & Displaying Data Number skills 	<ul style="list-style-type: none"> Expressions, Functions & Formulae Decimals & Measures 	<ul style="list-style-type: none"> Fractions Probability 	<ul style="list-style-type: none"> Ratio & Proportion 	<ul style="list-style-type: none"> Lines & Angles Sequences & Graphs 	<ul style="list-style-type: none"> Transformations
	<ul style="list-style-type: none"> Analysing & Displaying Data Number skills 	<ul style="list-style-type: none"> Equations, Functions & Formulae Fractions 	<ul style="list-style-type: none"> Angles & Shapes Decimals 	<ul style="list-style-type: none"> Equations 	<ul style="list-style-type: none"> Multiplicative reasoning Perimeter, Area & Volume 	<ul style="list-style-type: none"> Sequences & Graphs
Year 8	<ul style="list-style-type: none"> Number properties & Calculations Shapes & Measures in 3D 	<ul style="list-style-type: none"> Statistics Expressions & Equations 	<ul style="list-style-type: none"> Decimals Calculations Angles 	<ul style="list-style-type: none"> Number Properties 	<ul style="list-style-type: none"> Sequences Fractions & Percentages Probability 	<ul style="list-style-type: none"> Probability
	<ul style="list-style-type: none"> Number Area & Volume 	<ul style="list-style-type: none"> Statistics, Charts & Graphs Expressions & Equations 	<ul style="list-style-type: none"> Real-life Graphs Decimals & Ratio 	<ul style="list-style-type: none"> Lines & Angles 	<ul style="list-style-type: none"> Calculating with Fractions Straight-line Graphs 	<ul style="list-style-type: none"> Percentages, Decimals & Fractions
	<ul style="list-style-type: none"> Factors & Powers Working with Powers 	<ul style="list-style-type: none"> 2D shapes & 3D solids Real-life Graphs 	<ul style="list-style-type: none"> Transformations Fractions, Decimals & Percentages 	<ul style="list-style-type: none"> Constructions & Loci 	<ul style="list-style-type: none"> Probability Scale Drawings & Measures 	<ul style="list-style-type: none"> Graphs