Maths Intent Statement

To deliver a high quality mathematics education which, in turn, provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics and a sense of enjoyment and curiosity about the subject. Our curriculum ensures that all children:

Become fluent in the fundamentals of mathematics, through varied and frequent practice with increasingly complex problems over time, so that children develop conceptual understanding and the ability to recall and apply their knowledge rapidly and accurately

Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language

Can solve problems by applying their mathematics to a variety of routine and non-routine problems, including breaking down problems into a series of simpler steps and persevering in seeking solutions

Concepts and Themes

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	• Count objects, actions and sounds. • Subitise. • Link the number symbol (numeral) with its cardinal number value. • Understand the 'one more than/one less than' relationship between consecutive numbers. • Explore the composition of numbers to 10. • Automatically recall number bonds for numbers 0–5 and some to 10 • Count beyond ten. • Compare numbers. • Select, rotate and manipulate shapes in order to develop spatial reasoning skills. • Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can. • Continue, copy and create repeating patterns. • Compare length, weight and capacity.					
Year 1	Number and ordering Addition and subtraction Properties of 2D shapes Length and height Multiplication (2, 5, 10)	Division (2, 5, 10) Addition and subtraction Halving Position and direction Money recognition Money problems	Odd and even numbers Place value Addition and Subtraction 3D shapes Multiplication and Division	Addition and subtraction Time Numbers as words Tens and Ones Mass	Finding a quarter of a number and shape Volume and capacity Number and place value Addition and subtraction Position and direction Money	Multiplication Division Length and height Length and circumference Addition and subtraction Fractions (doubling and halving)
Year 2	Number and place value additiona and subtraction 2D shapes addition aand subtraction additionand subtraction time multiplication and division	Multiplication and division fractions money Length and height position and direction multiplication and division	Place value addition and subtraction shape multiplication and division multiplication and division time	fractions statistics addition and subtraction addition and subtraction capacity outdoor maths	Place value multiplication and division addition and subtraction revision SATs Target assessment activities	Target assessment activitiies Target assessment activities position and direction statistics vaolume and capacity addition and subtraction outdoor maths investigations
Year 3	Place Value Addition & Subtraction Multiplication 2,5, 3, 4,x tables Multiplication 8x tables Multiplication & Division 6,7, 8x tables Expanded Addition Column Addition & Subtraction	Place Value Addition & Subtraction Multiplication 2,5, 3, 4,x tables Multiplication 8x tables Multiplication & Division 6,7, 8x tables Expanded Addition Column Addition & Subtraction	Place Value Addition & Subtraction Multiplication 2,5, 3, 4,x tables Multiplication 8x tables Multiplication & Division 6,7, 8x tables Expanded Addition Column Addition & Subtraction	Place Value Addition & Subtraction Multiplication 2,5, 3, 4,x tables Multiplication 8x tables Multiplication & Division 6,7, 8x tables Expanded Addition Column Addition & Subtraction	Place Value Addition & Subtraction Multiplication 2,5, 3, 4,x tables Multiplication 8x tables Multiplication & Division 6,7, 8x tables Expanded Addition Column Addition & Subtraction	Place Value Addition & Subtraction Multiplication 2,5, 3, 4,x tables Multiplication 8x tables Multiplication & Division 6,7, 8x tables Expanded Addition Column Addition & Subtraction
Year 4	Number and place value Addition and subtraction Geometry (shape) Multiplication and division Fractions Position and direction Add and subtract	Decimals Mass Factors, Multiples and Square numbers Expanded Multiplication Time Rounding and estimating	Place Value Subtraction Shape Multiplication Fractions Measure and Length	Addition and Subtraction Multiply and divide Statistics Area and Perimeter	Number and place value Decimals Classification of shapes Addition and subtraction of money Multiplication Word Problems - 4 operations	Times Tables Division Measure Fractions Co-ordinates Time
Year 5	Number and place value Addition and subtraction Multiplication and division Fractions and Decimals	Shape and Space Fracitons Time Mass Position and direction	Place Value Subtraction Angles Division Fractions and Decimals	Percentages and Measurements Area Statistics	Number and Place value Addition and Subtraction Division Money Volume and capacity Fractions	Percentages Geometry Statistics Revision
Year 6	Number and place value Addition and subtraction Multiplication and division Fractions Geometry (position / direction)	Number and place value Addition and subtraction: Multiplication and Division Fractions Ratio and Proportion Geometry (Shape) Measurement Length Time Area and Perimeter	Number and place value Negative numbers BIDMAS Addition and Subtraction Multiplication and Division Fractions Geometry (angles) Measurement: mass Algebra	Addition and subtraction Multiplication and Division Fractions Ratio and Proportion Geometry (shape) Measurement: Volume and capacity Statistics	Number and place value Addition and Subtraction Multiplication and Division Fractions Ratio and Proportion Scale Factors Geometry (area of triangles) Geometry (position/direction) Measurement (conversions, money) Statistics (data collection) Problem solving	Ratio and Proportion: - recipe scaling up for strawberry cream tea and teddy bears' picnic (Special Friends) Investigation/Problem solving number and place value Addition and Subtraction Multiplication and division