Curriculum Overview

Mathematics

Year Group	Autumn	Spring	Summer
Nursery	Number Songs Colours Match and sort Comparing amounts Comparing size, mass and capacity Simple patterns	Number and Place Value. Representing, Exploring and Understanding Numbers to 5 Length and Height	Properties of basic shapes Time - My day Capacity and weight Positional language
Reception	Getting to know you Match and sort, compare amounts (2) Compare size, mass and capacity (2) Exploring Pattern Representing 1,2 and 3 Comparing 1,2 and 3 Composition of 1,2 and 3 Circles and Triangles Positional Language (2) Representing numbers to 5 One more and one less (2) Shapes with 4 sides Time	Introducing 0 Comparing numbers to 5 Composition of numbers to 5 Compare Mass Compare Capacity 6,7 and 8 Combining two amounts Making Pairs Length and Height (2) Time Counting to 9 and 10 Comparing numbers to 10 Bonds to 10 3D shapes Spatial Awareness Patterns	Building numbers beyond 10 Counting patterns beyond 10 Spatial Reasoning (1) Match, rotate, manipulate Adding more Taking away Spatial Reasoning (2) Compose and Decompose Doubling Sharing and Grouping Even and Odd Spatial Reasoning (3) Visualise and Build Deeping understanding, patterns and relationships Spatial reasoning (4) Mapping

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1	Building on Reception experiences and counting within 100 Comparison of quantities and part-whole relationships Numbers 0-5 Recognise, compose, decompose and manipulate 2D and 3D shapes	Numbers 0-10 Additive structures Statistics Addition and Subtraction facts within 10 Length and Height	Numbers 0-20 Unitising and coin recognition Multiplication and Division Position and Direction Fractions Time Weight and Volume
2	Numbers 10-100 Calculations within 20 Fluently add and subtract within 10 Addition and Subtraction of 2-digit numbers (1) Shape Position and Direction	Introduction to Multiplication Introduction to division structures Sense of measure – capacity, volume, mass Fractions Time	Addition and Subtraction of two- digit numbers (2) Multiplication and division – doubling, halving, quotative and partitive division Statistics Money
3	Adding and Subtracting across 10 Numbers to 1000 2, 4, 8 times tables and related division facts	Right Angles Manipulating the additive relationship and securing mental calculation Column Addition Statistics Column Subtraction 3x table and related division facts	Money Unit fractions Non-Unit Fractions Parallel and perpendicular sides in polygons Length and Perimeter Time 3D Shape Properties

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4	Review of Column Addition and Subtraction Numbers to 10,000 Perimeter and introduce area 3, 6, 9 multiplication tables and related division facts Statistics Time (1)	12 x table and related division facts 7 x table patterns and related division facts Time (2) Understanding and manipulating multiplicative relationships Review of fractions (1)	Review of fractions (2) 11 x table and related division facts Fractions greater than 1 Decimals Symmetry in 2D shapes and angles Division with remainders Co-ordinates
5	Place Value- decimal fractions Written methods- Addition and subtraction Money Area and scaling Negative Numbers Written methods- multiplication and division	Calculating with decimal fractions Angles and Transformations Factors, multiples and primes Statistics	Fractions and percentages Volume Converting units 3D Shapes
6	Calculating using knowledge of structures (1) Multiples of 1000 Numbers up to 10,000,000 Multiplication and Division (1) Draw Compose and Decompose Shapes	Multiplication and Division (2) Area and perimeter Fraction, decimals and percentages Statistics Ratio and Proportion Order of operations Position and direction	Mean average. Calculating using knowledge of structures (2) Solving problems with two unknowns Themed mathematical projects, consolidation, and progression to KS3