Curriculum Overview

Mathematics

Click to access Progression of Knowledge Map

Year Group	Autumn	Spring	Summer
Nursery	Number Songs Colours Match and sort Comparing amounts Comparing size 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

Year Group	Autumn	Spring	Summer
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	Money Introduction to Multiplication Introduction to division structures Sense of measure – capacity, volume, mass Fractions Time	Multiplication and division – doubling, halving, quotative and partitive division Addition and Subtraction of 2-digit numbers (2) Statistics Consolidation and reviewing- End of Key Stage 1
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 3, 6, 9 multiplication tables and related division facts 12 table and related division facts	Revisit perimeter and introduce Area 7 x table patterns and related division facts Understanding and manipulating multiplicative relationships Statistics 11 x table and related division facts Time	Review of fractions Fractions greater than 1 Decimals Symmetry in 2D shapes and angles Division with remainders Co-ordinates
5	Place Value and decimal fractions Money Negative Numbers Short Multiplication and Short Division	Area and Scaling Calculating with decimal fractions Statistics Factors, multiples and primes	Fractions and percentages Converting units Volume Angles and Transformations 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 Position and direction	Multiplication and Division (2) Area and perimeter Fraction, decimals and percentages Statistics Ratio and Proportion Order of operations Mean average	Calculating using knowledge of structures (2) Solving problems with two unknowns Themed mathematical projects, consolidation and transition