

Maths Curriculum Overview - 2022-2023

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Finger and number rhymes Begin to make comparisons Begin to talk about and identify patterns Begin to understand position and sequencing	Simple linear patterns Recognise the amount and different representations of 0, 1 and 2 2D shapes Perspectives	Recognise the amount and different representations of 3 Compare quantities up to 3 Positional language Describe and compare measure	Recognise the amount and different representations of 4 and 5 Compare quantities Patterns Position	Shape: similarities and differences, formal and informal shape names To recognise some numerals of personal significance Count and compare objects up to 5	Mathematical problems within 5 Subitising to 5 Recite numbers to 10 Positional language Shape: predict and rotate
Reception	Subitise within 3 Relate counting to cardinality See that all numbers are made of 1s Use language of comparison Patterns	Subitise within 5 Begin to count beyond 5 and recognise numerals Wholes and parts Comparison inc, length & weight Pattern Shape Spatial awareness: language	Counting to 20 and beyond Order numbers Recognise that numbers within 10 can be composed of '5 & a bit' Comparison; equal & unequal Pattern: generalising structures Begin to use time to sequence 1	Odd & even numbers Composition & cardinality of numbers to 10 Compare numbers with reasoning Time as a measure Shape compose & decompose Spatial awareness: manipulating	1 more & doubles pattern Composition of 10 Ordering Pattern: rules, continue, copy & create Measure: length, weight & capacity	Consolidation Representations of number Comparison: quantities & number Spatial awareness: maps Shape: composing & problem solving
Year 1	Comparison of quantities and measures. Introduction to 'whole' and 'parts'.	Composition of numbers: 0-5. Composition of numbers: 6-10. Properties of shape.	Properties of shape. Additive structures: aggregation and partitioning. Additive structures: augmentation and reduction.	Addition & subtraction: strategies. Composition of numbers: 11-19. Measurement: length & height.	Measurement: mass and volume. Counting: unitising and coins.	Fractions. Position and direction. Time.
Year 2	Multiples of 10 up to 100. Composition of numbers: 20-100 Bridging 10. Subtraction as difference.	Two digit and single digit numbers. Two digit numbers and multiples of 10. Multiplication representing equal groups. Groups of 2 and commutativity.	Groups of 10 and 5, and factors of 0 and 1. Doubling and halving. Division (quotitive and partitive).	Properties of shape. Addition: 2-digit & 2-digit numbers. Subtraction: 2-digit & 2-digit numbers. Money.	Fractions. Time. KSI Assessments	Measurement: length, mass, capacity and temperature. Position and direction. Doubling and halving. Division (quotitive and partitive).
Year 3	Composition and calculation: 100 & bridging 100. Composition and calculation: 3-digits.	Composition and calculation: 3-digits. Securing mental strategies to 999.	Manipulating the additive relationship. Column addition. Timestables: 2, 4, 8 & their relationships.	Scaling number facts by 10. Column subtraction. Fractions inc part-whole relationship & unit fractions.	Fractions inc: finding a unit fraction, identify, compare and represent non-unit fractions. Adding and subtracting within one whole.	Right angles. Parallel and perpendicular sides in a polygon. Time.

Statistics will be taught outside of Maths and linked to the Science curriculum

This is a guide and may need slight adjustments

Year 4	Algorithms: column addition & column subtraction. Composition and calculation: 1000 and 4 digit numbers.	Area & perimeter. Times tables: 3, 6, 9 & their relationships. Times tables: 7 and patterns within/across.	Multiplication and division. Multiply and divide by 10 or 100. Scaling number facts by 100.	Times tables: 11 and 12. Symmetry in 2D shapes. Time.	Fractions inc part-whole relationship, improper fractions and mixed numbers.	Co-ordinates. Statistics. Division with remainders.
Year 5	Composition and calculation: 10ths & 100ths. Addition & subtraction: Money. Negative numbers.	Negative numbers. Multiplication: short multiplication. Division: short division.	Area & perimeter Structures: understanding scaling. Decimal place value: multiplication & division.	Multiply/divide decimal fractions by whole numbers Volume. Factors, multiples, prime & composites. Multiplying whole numbers & fractions.	Multiplying whole numbers & fractions. Finding equivalent fractions and simplifying. Linking fractions, decimals and percentages.	Number, place value & converting units. Properties of shape, including angles. Transformations.
Year 6	The part-part-whole relationship. Equivalence and compensation to calculate. Multiples of 1,000.	Numbers to 10,000,000. Draw, compose and decompose shapes. Using equivalence to calculate.	Multiplication strategies inc. long multiplication. Division inc. long division. Geometry – position & direction Fractions: equivalence & simplifying	Fractions, inc. adding, subtracting, multiplying and dividing. Linking fractions, decimals and percentage.	Statistics. Revision. KS2 Assessments (SATs). Scale factors.	Ratio and proportional reasoning. Equivalence and compensation to calculate. Problems with two unknowns. Mean average and equal shares.

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