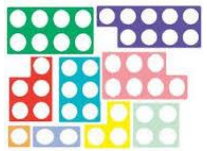
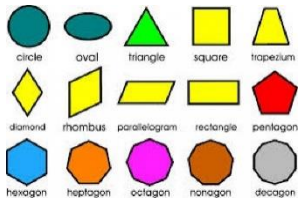
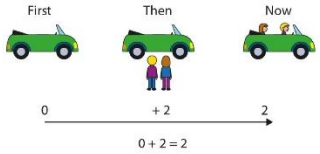
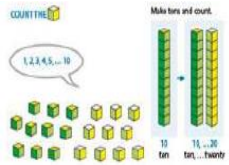
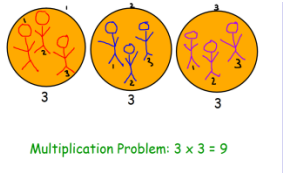
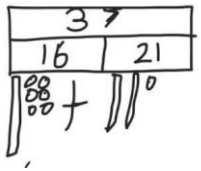
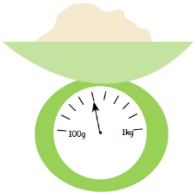
Curriculum Overview: Mathematics

Morningside Primary School and Children's Centre
Achieving and Aspiring Together

Mathematics at Morningside
Mastering Mathematics

A high-quality mathematics education … 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. (National Curriculum)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1						
	We love numbers up to 100 • Counting • Ordering • Comparing • Subitising	**We are comparing quantities** • Comparing • Part-whole relationships • Fluency with numbers to 5 • 2D and 3D shapes	**We are sorting shapes** • 2D and 3D shapes • Fluency with numbers to 10 • Additive structures	**We are adding and subtracting** • Additive structures • Addition and subtraction facts within 10	**We are working with numbers to 20** • Fluency with numbers to 20 • Unitising • Coin recognition	**We are working with coins, position and time** • Money • Position • Direction • Time
Year 2						
	We are working with numbers from 10 to 100 • Counting • Ordering • Comparing • Doubling • Calculating within 20	**We are adding and subtracting** • Adding • Subtracting • Crossing 10 • Introduction to multiplication	**We are multiplying** • Repeated addition • Arrays • Sharing & grouping • 2s, 5s and 10s • Skip counting	**We are adding and subtracting** • Adding and subtracting 2-digit numbers • 2D and 3D shape	**We are working with money, fractions and shapes** • Money • Fractions • Time • Position • Direction	**We are multiplying, dividing and measuring** • Doubling • Halving • Dividing • Capacity • Volume • Mass

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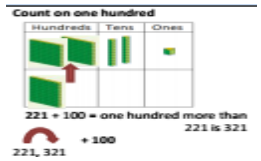
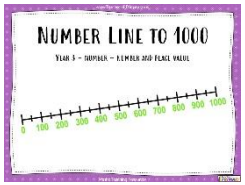
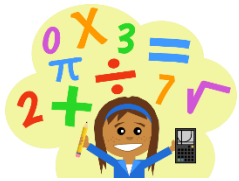
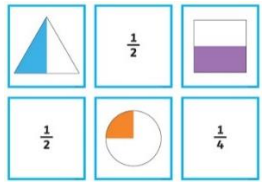
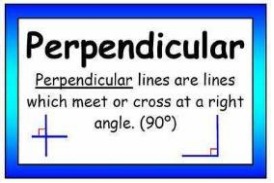
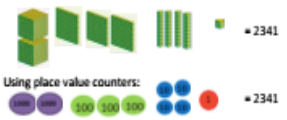
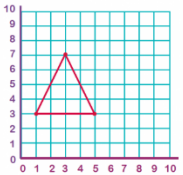
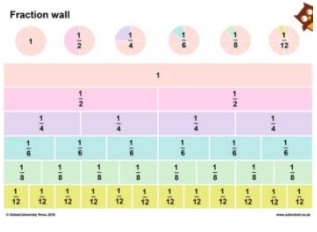
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3						
	We are fluent and calculating to 1000. • Ordering • Comparing • Place value • Adding and subtracting across 10	**We are fluent and calculating to 1000.** • Ordering • Comparing • Place value • Decomposing • Partitioning • Statistics • Money	**We are securing mental calculation** • Mental strategies • Additive relationships • Right angles	**We are adding, subtracting and multiplying** • Column addition • Column subtraction • 2, 4 and 8 times tables	**We are finding fractions.** • Unit fractions • Non-unit fractions	**We are finding fractions, and working with shape and time** • Non-unit fractions • Parallel sides • Perpendicular sides • Time
Year 4		5 x 6 = 30 3 x 5 = 15 4 x 9 = 36 2 x 6 = 12	1x7 = 7 2x7 = 14 3x7 = 21 4x7 = 28 5x7 = 35 6x7 = 42 7x7 = 49 8x7 = 56 9x7 = 63 10x7 = 70 11x7 = 77 12x7 = 84			
	We are fluent with numbers up to 10,000. • Column addition • Column subtraction • Numbers to 10,000	**We are multiplying & finding perimeters** • Perimeter • Area • 3 times table • 6 times table • 9 times table	**We are securing our times tables and multiplying** • 3 times table • 6 times table • 9 times table • 7 times table and patterns • Understanding and manipulating multiplicative relationships	**We are multiplying and finding coordinates.** • Understanding and manipulating multiplicative relationships • Coordinates	**We are finding fractions** • Reviewing fractions • Fractions greater than 1 • Decimals	**We are finding symmetry, time and dividing with remainders.** • Lines of symmetry • Time • Division with remainders • Statistics

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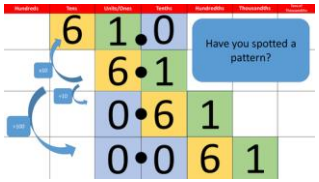
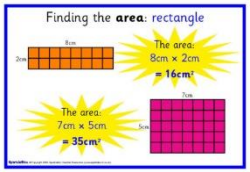
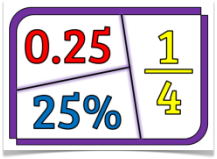
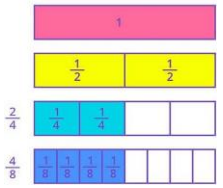
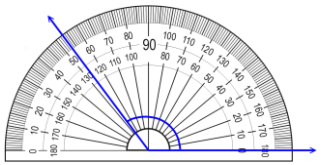
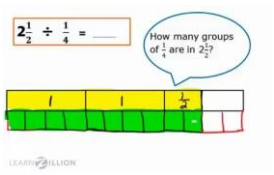
Year 5						
	We are working with decimals and money. • Decimal fractions • Money	**We are using negative numbers, & short multiplication & division.** • Negative numbers • Short multiplication • Short division	**We are finding the area, scaling and calculation with decimals.** • Area • Scaling • Calculating with decimal fractions	**We are calculating with decimals, and finding factors, multiples and primes.** • Calculating with decimal fractions • Factors • Multiples • Primes	**We are exploring fractions.** • Adding • Subtracting • Multiplying • Converting • Equivalence	**We are converting units, finding angles and describing transformations.** • Measuring and drawing angles • Calculating angles • Reflection & translation • Converting units • Statistics
Year 6						
	We are calculating using our knowledge of structures • Addition • Subtraction • Multiplication • Division • Mental strategies • Multiples of 1,000	**We are becoming fluent in numbers up to 10,000,000.** • Ordering, comparing and place value • Negative numbers • Multiples of 1,000 • Addition • Subtraction • Draw, compose and decompose shapes	**We are multiplying, dividing, and working on shape.** • Long multiplication • Long division • Area • Perimeter • Position • Direction	**We are learning about fractions, decimals and statistics** • Fractions • Decimals • Statistics • Ratio and proportion • BIDMAS	**We are solving problems.** • Statistics • Ratio and proportion • BIDMAS • Mean average • Solving problems with 2 unknowns	**We are investigating, and preparing for secondary school.** • MEI transition unit: calculators • Investigations • Consolidating our Year 6 work