Maths Coverage

Early Years Progression Map

Our Early Years Maths Offer

Here at Ribbon Academy Early Years we teach maths skills daily through discrete teaching sessions, by weaving concepts throughout the daily routine and providing contextual experiences throughout the continuous provision for play based learning. Ideas such time, size, shape, measure, categorising and classifying are all elements which present across the day. We take a mastery approach to maths, ensuring children have the confidence and deep rooted understanding to calculate, problem solve, reason and demonstrate their knowledge, skills and understanding in preperation for the next stage of learning. Here is an overview of the maths curriculum we provide across EYFS as children work towards the maths Early Learning Goals.

Early Learning Goals (end of Reception)	
Number ELG Children at the expected level of development will: • Have a deep understanding of number to 10, including the composition of each number; • Subitise (recognise quantities without counting) up to 5; • Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	**Numerical Patterns ELG** Children at the expected level of development will: • Verbally count beyond 20, recognising the pattern of the counting system; • Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity; • Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

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Nursery			Reception		
Autumn	**Spring**	**Summer**	**Autumn**	**Spring**	**Summer**
• Number sense to 3 • Visual Patterns • Number songs and rhymes • Composition of numbers to 3 • Concept images to 3 • Correspondence 1:1 • Exploration of numbers and numerals to 5 • Numerals of significant importance • Matching like for like • Stable order count • Itemising • Tagging • Selecting a small number of objects from a group • Describing size • 2D shapes • Capacity • Exploring shape through construction/loose parts • Anticipating specific time-based events such as mealtimes or home time	• Number sense to 4 • Movement patterns • composition of numbers to 4 • Concept images to 4 • Cardinality • Conservation of number • Exploration of 'more' • Sharing objects • Sorting – exact matching/sorting by a single attribute • Catagorising • Introduction of 5 frames • reciting numbers in order to 5 • Exploring language of time • Explorations of space/area • Positional language • Numbers in the environment	• Number sense to 5+ • Temporal patterns • Numeral patterns • Composition of numbers to 5 • Concept images to 5 • Exploration of more/less • sharing into equal parts • Introduced to simple board games • Subitising to 5 • Practical combining/addition • Number bonds to 5 • Sorting and categorising by given and own criteria • Exploration of same/different • Assigning numeral to quantity • Weight • Practical subtraction	• Number sense to 5+ • Number bonds to 5 • Temporal patterns • Numeral patterns • Repeating patterns • Composition of numbers to 5+ • Representing numbers and quantities in different ways • Reciting numbers in order to 10 • more/less/fewer • Exploring money • Describing 2D shapes • Positional language • Matching numeral to quantity • Practical addition • Sorting and categorising by own and given criteria • Binary sort • Introduction to 10's frames • Introduction to a number line/track • weight	• Number sense to 10 • Number bonds to 10 • Symmetrical patterns • Composition of numbers to 10 • Concept images to 10 • Subitising to 10 • Multiple set sort • Estimating • Exploring mathematical problems • Sustained construction • Practical addition and subtraction • Tally system • Recording mathematical information/representation • Sequencing events and exploring language/concept of time • Practical addition and subtraction	**Revisiting any previous concepts that need re-enforcement.** • Number sense towards 20 • Recite beyond 20 • Growing patterns • Composition of numbers to 15 • Concept images to 15 • Halving/doubling • Comparing sets • Use and apply skills on a number line and a number track • Describing 3D shape • Refined construction • Language to talk about size, weight, capacity, position, distance, time • Compare quantities and objects • Solve practical problems • Recognise, create and describe patterns • Explore characteristics of everyday objects

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					and shapes and use mathematical language to describe them • Estimate • Measure, weigh and compare • Order objects • Talk about properties and position • Addition and subtraction sentences • Even/odd numbers

Vocabulary in Nursery	Vocabulary in Reception
Same different change more match tall taller short shorter long longer high higher low lower short shorter big small count sort number pattern shape circle square triangle rectangle round flat point straight curved share half measure pour full empty heavy light now next later soon under over next to on top	Shape pattern flat curved round hollow solid corner face side edge end sort make build draw circle triangle rectangle star cube pyramid sphere cone size bigger smaller biggest smallest symmetrical pattern repeating pattern match position over under above below top bottom side on in outside inside front back before after beside next to opposite apart between middle edge corner direction left right up down forwards backwards across near far along through to from towards away from movement slide roll stretch turn bend more less fewer quantity amount all together measure estimate full half full half empty, empty capacity weigh measure heavy light compare order later soon next yesterday tomorrow today distance time describe add equals share