



Mathematics Progression Document

Our Curriculum Goal: To become a **MAGICAL MATHEMATICIAN** who has a deep understanding of number and applies this to solve problems.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	ELG
Concepts	<ul style="list-style-type: none"> Matching and sorting Size Mass Capacity Patterns 	<ul style="list-style-type: none"> Numbers 1-5 2D shapes Positional language Time 	<ul style="list-style-type: none"> Zero Comparing numbers Pairs Mass Capacity 	<ul style="list-style-type: none"> Numbers 1-10 Number bonds Length, height Time 3D shapes Spatial awareness Patterns 	<ul style="list-style-type: none"> Numbers 1-20 Addition Subtraction Spatial reasoning Match, rotate, manipulate Compose and decompose 	<ul style="list-style-type: none"> Doubling Sharing and grouping Even and odd Spatial reasoning Visualise and build Patterns and relationships Mapping 	Number <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Verbally count beyond 20,
Skills	<ul style="list-style-type: none"> Matching and sorting Size Mass Capacity Patterns 	<ul style="list-style-type: none"> Numbers 1-5 2D shapes Positional language Time One more One less 	<ul style="list-style-type: none"> Zero Comparing numbers Pairs Mass Capacity 	<ul style="list-style-type: none"> Numbers 1-10 Number bonds Length, height Time 3D shapes Spatial awareness Patterns 	<ul style="list-style-type: none"> Numbers 1-20 Addition Subtraction Spatial reasoning Match, rotate, manipulate Compose and decompose 	<ul style="list-style-type: none"> Doubling Sharing and grouping Even and odd Spatial reasoning Visualise and build Patterns and relationships Mapping 	
Knowledge	<ul style="list-style-type: none"> Know how to match and sort different items into categories. Recognise the difference between big and small. Capacity is the amount that 	<ul style="list-style-type: none"> Know number names and numerals. Know how to count numbers in order. Position refers to the place where 	<ul style="list-style-type: none"> Understand the number name and numeral 0. Understand that objects can be used to represent amounts. Know how to compare 	<ul style="list-style-type: none"> Know how to count the numbers 0-10 in order. Recognise patterns in number. Know the composition of numbers. 	<ul style="list-style-type: none"> Know how to count numbers in order. Recognise patterns in number. Know the composition of numbers. 	<ul style="list-style-type: none"> Doubling means adding to same number to itself. Halving means sharing a group of objects into two equal parts. 	

	<p>something can contain.</p> <ul style="list-style-type: none"> • Patterns are when colours, objects, lines or shapes are repeated in an order. • Know how to create and continue repeating patterns. 	<p>something or someone is.</p> <ul style="list-style-type: none"> • Know how to describe the position of different things using on top, below, above, inside, outside, between, in front of, underneath. • Recognise one more and one less of a number. • Time tells us when things happen. • Know and use language related to time to describe events e.g. yesterday, today, tomorrow, month, day, year, week, hour, minute, second, later, earlier, before, after. • Know that 2D shapes are flat. • Recognise different 2D shapes and know their names e.g. square, rectangle, circle, triangle. 	<p>different groups using more, fewer, equal to.</p> <ul style="list-style-type: none"> • Recognise a pair. • Weight is measuring how heavy something is. • Know and describe the weight of different items e.g. heavy, light. • Know how to compare and order different items by weight. • Know and describe the capacity of different items e.g. full, half full, empty. • Know how to compare and order different items by capacity. 	<ul style="list-style-type: none"> • Length is measuring how long something is. • Know and describe the length of different items e.g. long, short. • Know how to compare and order different items by length. • Know that 3D shapes are solid. • Recognise different 3D shapes and know their names e.g. cube, sphere, cuboid, cone, cylinder, pyramid. • Subitising is when you are able to look at a group of objects and realise how many there are without counting. • Know what an amount represents through subitising. • Recall number bonds to 5. • A number bond is a pair of numbers that add together to make a larger number. 	<ul style="list-style-type: none"> • Know how to add and subtract simple one digit numbers. • Addition means adding two groups together. • Subtraction means taking away a certain number of items from a group to make a new total. • Know how to solve simple maths problems. • Know how to count in different ways and using different objects. • Know how to count concrete objects, then pictorially then abstract. • Spatial reasoning is the understanding of how objects can move. 	<ul style="list-style-type: none"> • Know that numbers can be even or odd. • Know how to solve simple maths problems. • Know how to use and follow a map. • Understand how numbers can help us to read a map. 	<p>recognising the pattern of the counting system;</p> <ul style="list-style-type: none"> • 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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