Maths Curriculum Overview

Nursery	Autumn	Colour of the week Children will explore early grouping/ sorting by learning about a new colour each week.	Go on hunts to find objects of this colour, sorting into red and not red groups, etc.	Number rhymes Children will learn and become familiar with number rhymes.	They will begin using their fingers to show amounts. Children will begin verbally counting up to 10 using cross lateral movements and flipper flappers.	Children will begin to understand and use 1-1 correspondence, counting up to 5 objects. Children will begin comparing two small groups of up to 5 objects, using the language 'more', 'less' and 'the same.'
	Spring	Children will learn to subitise up to 3 objects.	Children will begin to recognise numerals 0-10 and link numerals to amounts up to 5.	Children will count up to 5 items, recognizing that the last number said represents the total counted so far (cardinal principle).	Children will be introduced to 2D shapes (circle, square, rectangle, triangle).	Children will understand and use positional language (in front of, behind, next to, etc) Children will explore that each counting number is one more than the one before.
	Summer	Children will consolidate counting up to 10 using 1-1 correspondence.	Children will begin to order numerals 0-10.	Children will explore patterns (AB/ ABC) and will learn to continue a pattern.	Children will explore the concepts of longer/ shorter, heavier/ lighter/ and more/less full of two items.	Children will look at the numbers 1-5 in greater detail, by learning about a number of the week each week.	Each number will be linked to real life experiences, e.g. linking number 1 to 1p and playing shop.
Reception	Autumn	Understanding what zero is. Number rhymes and using our fingers to show amounts up to 5.	All about the number of the week up to 5, link the numbers to 2D shapes, e.g. a circle for number 1, a triangle for number 2, etc.	Children will explore repeating patterns linked to the number 2 and number 3. Children will order by size.	All about the numbers 5-10. Children will begin to look at early addition, including number bonds to 5, using concrete objects.	Children will begin to learn about 3D shapes, their names and properties. Children will order the numerals up to 10. Children will explore 'one more/one less' of numbers up to 10 and develop a deeper understanding of patterns within numbers.
	Spring	All about the numbers 10-15.	Children will begin to look at early subtraction, using knowledge of number bonds (to 5 and 10) to begin with, and then start to subtract within other numbers up to 15.	All about the numbers 16-20. Children will grow in confidence with counting beyond 20.	Children will begin to learn about doubling and halving single digit numbers.	Children will begin writing numerals up to 20 using the correct number formation.
	Summer	Children will revisit number bonds to 5 and 10 and become more fluent at recalling them (including the subtraction facts).	Children will learn to identify odd and even numbers up to 20.	Children will begin recognizing patterns within the counting system, including beginning to count in 2s, 5s and 10s.	Children will learn how to compose and decompose shapes to make new shapes.	Children will learn to sort objects in different groups and use their reasoning skills to explain their answers (odd one out game).	Children be introduced to time and begin telling the time (o'clock and half past). Children will be introduced to counting verbally up to 100 and explore the patterns in a 100 square.
Year 1	Autumn	Numbers to 10	Part-whole within 10	Addition within 10	Subtraction within 10	2D and 3D shapes	

	Spring	Numbers to 20	Addition and subtraction within 20	Numbers to 50	Introducing length and height	Introducing weight and volume
	Summer	Multiplication and division	Halves and quarters	Position and direction	Numbers to 100	Money	Time
Year 2	Autumn	Numbers to 100	Addition and Subtraction (1)	Addition and Subtraction (2)	Properties of shapes	Mass, capacity and temperature
	Spring	Money	Multiplication and Division (1)	Multiplication and Division (2)	Length and height	
	Summer	Statistics	Fractions	Position and direction	Problem solving	
Year 3	Autumn	Place Value within 1,000	Addition and Subtraction (1)	Addition and Subtraction (2)	Multiplication and Division (2)	Multiplication and Division (3)
	Spring	Multiplication and Division (3)	Length and Perimeter	Fractions	Mass	Capacity
	Summer	Fractions (2)	Money	Time	Angles and properties of shapes	Statistics	
Year 4	Autumn	Place Value – 4 digit numbers (1)	Place Value – 4 digit numbers (2)	Addition and Subtraction	Area	Multiplication and Division (1)
	Spring	Multiplication and Division (2)	Perimeter	Fractions (1)	Fractions (2)	Decimals (1)
	Summer	Decimals (2)	Money	Time	Geometry – angles and 2D shapes	Statistics	Position and direction
Year 5	Autumn	Place Value within 1,000,000 (1)	Place Value within 1,000,000 (2)	Addition and Subtraction	Multiplication and Division (1)	Fractions (1)	Fractions (2)
	Spring	Multiplication and Division (2)	Fractions (3)	Decimals and Percentages	Measure – perimeter and area	Graphs and tables	
	Summer	Properties of Shape	Geometry - position and Direction	Decimals	Negative numbers	Converting Units	Volume and capacity
Year 6	Autumn	Place Value within 10, 000,000	Four operations (1)	Four operations (2)	Fractions (1)	Fractions (2)	Imperial and metric
	Spring	Ratio and proportion	Algebra	Decimals	Percentages	Measure – perimeter, area and volume	
	Summer	Statistics	Geometry – properties of shape	Position and direction	Problem solving		