


Maths Long Term Plan 2021-2022*

*In addition to the topics covered below, KS1 & KS2 children receive daily basic skills sessions, and weekly problem solving lessons following our STOPS Problem Solving LTP (<https://stpatricksliverpool.co.uk/wp-content/uploads/2021/09/STOPS-Problem-Solving-LTP-2021-2022.pdf>).

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery (Number and Shape, Space and Measure are taught continuously throughout the year.)	Number / Numerical patterns - Compare amounts, saying lots / more / same. Take part in finger rhymes with numbers. Develop fast recognition up to 3 objects (subitising). Recite numbers past 5. Begin to count on fingers. Say one number for each item in order: 1,2,3,4,5. Shape, Space and Measure - Compare size, weight etc. using gesture and language. Explore 2D and 3D shapes in a range of contexts. Respond to some spatial / positional language. Make comparisons relating to size and length. Talk about and identify patterns around them.		Number / Numerical patterns - Know that the last number reached when counting a small set tells you how many there are in total. Show finger numbers up to 5. Compare quantities using language: more/fewer than. Shape, Space and Measure - Begin to anticipate times of the day. Begin to talk about 2D and 3D shapes. Understand position and direction using objects. Compare objects relating to weight and capacity. Select shapes appropriately. Extend and create ABAB patterns.		Number / Numerical patterns - Link numerals and amounts up to 5 or 10. Solve real world mathematical problems up to 5 or 10. Shape, Space and Measure - Talk about and explore 2D and 3D shapes using informal and mathematical language. Combine shapes to make new ones. Understand position through words alone. Begin to compare length using mathematical language. Discuss and describe familiar routes. Notice and correct an error in a repeating pattern. Begin to describe a sequence of events. Understand some talk about immediate past and future.	
Reception (Number and Shape, Space and Measure are taught continuously throughout the year.)	Number / Numerical patterns - Link numerals and amounts up to 5 then 10 securing one to one correspondence. Count objects, actions and sounds. Subitise with small numbers. Through play, begin to understand larger numbers are made up of smaller ones. Separate a set different ways. Shape, Space and Measure - Talk about and explore 2D and 3D shapes and position. Continue, copy and create repeating patterns. Compare length using mathematical language. Describe a sequence of events.		Number / Numerical patterns - Count beyond 10. Compare numbers using mathematical language. Understand one more than / less than. Explore composition of number to 5. Automatically recall number bonds to 5. Shape, Space and Measure - Select, rotate, manipulate, compose and decompose shapes to develop spatial reasoning skills and describe direction. Compare weight and capacity using mathematical language. Recall a sequence of events in everyday life and stories.		Number / Numerical patterns - Explore composition of numbers to 10. Automatically recall number bonds to 10, including some doubles facts. Count to 100 forwards, beginning with 0 or 1. Form numerals 0-20 correctly. Read, write and interpret mathematical statements involving addition, subtraction and equals signs. Shape, Space and Measure - Be increasingly able to order and sequence events using everyday language related to time. Recognise 3D/2D shapes in different orientations and sizes. Measure and begin to record length, height, capacity and volume.	
Year 1 (KPIs)	Number and Place Value	Number and Place Value Addition and subtraction	Multiplication and division Fractions	Measurement	Geometry	In summer 2, all year groups target specific areas based on teacher assessments at the end of summer 1
Year 2 (KPIs)	Number and Place Value	Addition and Subtraction	Multiplication and Division Fractions	Measurement Geometry	Statistics	

Year 3 (KPIs)	Number and Place Value	Addition and Subtraction (cont'd)	Multiplication and Division (cont'd)	Fractions (cont'd)	Geometry	
	Addition and Subtraction	Multiplication and Division	Fractions	Measurement	Statistics	
Year 4	Number and Place Value	Addition and Subtraction (cont'd)	Multiplication and Division (cont'd)	Fractions and Decimals (cont'd)	Geometry (KPIs)	
	Addition and Subtraction	Multiplication and Division	Fractions and Decimals	Measurement (KPIs)	Statistics (KPIs)	
Year 5	Number and Place Value	Addition and Subtraction (cont'd)	Multiplication and Division (cont'd)	Fractions, Decimals and Percentages (cont'd)	Geometry (KPIs)	
	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Measurement (KPIs)	Statistics (KPIs)	
Year 6	Number and Place Value	Addition, Subtraction, Multiplication and Division (cont'd)	Ratio and Proportion (KPIs)	Measurement (KPIs)	Statistics (KPIs)	
	Addition, Subtraction, Multiplication and Division	Fractions, Decimals and Percentages	Algebra (KPIs)	Geometry (KPIs)		