

# Stechford Primary School



## Maths Knowledge and Skills Progression Overview 2023

See the end of the document for the 'White Rose Maths' EYFS unit overviews.

	Expectations for 3-4 Year Olds		Expectations for Reception			ELG	Links to KS1
<b>Number</b> Number Composition	Know what 1 or 2 objects are and can give you 1 or 2	Understand what 3 is and can make with different objects	Understands what 4 and 5 looks like and can make with different objects	Understands what numbers 5-10 look like and are able to make using different objects	Able to represent / discuss the composition of number through such things as drawings, blocks, Numicon, tens frames.	Have a deep understanding of numbers to 10 including the composition of number  Subitise (recognise quantities without counting) up to 5.  Automatically recall number bonds up to 5 (including subtraction facts) and some number facts to 10 including doubles.	See NC Year 1 Programme of study:  Number – Number and Place Value  Number addition and subtraction  Number Multiplication and Division  Number - Fractions
			Able to recall the number bonds to make 3 and 4 (including subtraction facts)				
	Can subitise (to 1)	Can subitise (to 2)	Can subitise (to 3)	Can subitise (up to 4)			
	Can combine groups of objects up to 3 to see how many altogether.		Can combine groups of objects up to 5 and then 10 and say how many they have altogether.	Can add 2 single digit numbers up to 10 representing through drawings and use of resources such as tens frames.			
	Takes some away and knows that they have 'less'		Can practically solve simple subtraction problems up to 5 then 10 using objects	Subtracts a single digit number from a number up to 10 using drawings			
<b>Number Vocab</b>	Subitise, combine, join, more, altogether, add, less, subtract take away, subitise						

<b>Numerical Patterns</b> <b>Counting + Counting System</b>	Says number names in an random order	Count beyond 3	Count beyond 5	Counts forwards and backwards to 10	Counts forwards beyond 10	Counts forwards and backwards beyond 10	Verbally count beyond 20, recognising the pattern of the counting system
		Can give you 1 more or take one away than a group of objects up to 3	Can give you 1 more or take one away than a group of objects up to 5	Can give you 1 more and take 1 away than a group of objects upto 10	Using a number line or tens frame can find 1 more or one less to numbers to 10.	Can recall one more or one less than numbers up to 10	
	Says some number names but not for each object	Counts objects and actions to 3 saying a name for each one.	Count objects and actions to 5+ (understanding the last number tells you how many you have)		Counts objects and actions to 10+	Counts objects and actions beyond 20	
	Recognise some numbers special to them	Recognise numbers to 3	Recognise numbers to 5	Recognise and represent numbers to 5	Recognise and represent numbers to 10		
		Can order up to 3	Can order up to 5		Can order up to 10		
<b>Counting vocab</b>	Order, Number name, Numbers, more, less						
<b>Numerical Patterns Comparison</b>	Can say which group has more or less up to 3	Can identify when they have the same	Can recognise which group has more, less or the same and use the correct language up to 5.	Can recognise which group has more, less or the same by counting and use the correct language up to 10	Can compare groups of objects up to 10 + understanding the difference between size and quantity	Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the	
	Can share out objects sometimes equally	Can halve/share objects out equally in practical situations	Can halve and share objects out using the part part whole model up to 10		other quantity.		



Space	Copies and continues repeated patterns with 2 colours		Creates repeated patterns with 2 colours		Continues, copies and recreates repeated patterns AABB, ABB	Continues, copies and recreates repeated patterns AABBB	Describe position, direction and movement, including whole, half, quarter and three-quarter turns.
	Talks about pattern in the environment (spotty, stripy...)	Can sort items by their colour or pattern	Creates repeated patterns with 2 shapes				
	Copies and continues repeated patterns with 2 numbers		Creates repeated patterns with 2 numbers				
	Notices and corrects errors	Notices and corrects errors					
	Uses gestures to understand positional language	Can understand position through words alone	Begins to describe locations using words such as 'in front of' and 'behind'	Can follow instructions using positional language	Uses vocabulary such as 'over', 'above', 'beneath', 'beside'		
Space vocab	Patterns Repeating patterns, Shapes colours						
	and 'tall to compare size		'small', 'short' and 'tall to compare size	length/height using non-standard measures Uses 'biggest', 'smallest', 'shortest' and 'tallest'	measures whilst measuring size		
	Uses 'heavy' and 'light'		Make simple comparisons using 'heavier' and 'lighter'	Can order three items by weight using non-standard measures Uses 'heaviest', 'lightest'	Uses standard measures whilst measuring weight		Compare, describe and solve practical problems for mass/weight
	Uses 'full' and 'empty' to compare capacity		Make simple comparisons using 'more' and 'less'	Can order three items by capacity using non-standard measures Uses 'full', 'empty', 'half empty'	Uses standard measures whilst measuring capacity		Compare, describe and solve practical problems for capacity and volume

<b>The Skills and Knowledge Below are not specifically mentioned in the EYFS Mathematics Programme and Development Matters Statements but we cover them in preparation for Yr 1 and as part of everyday language and role-play in the classroom.</b>						
	Knows day and night	Knows and talks about the events in a day	Can sequence events in the day	Knows days of the week	Begins to use language before, after, yesterday, today, tomorrow	Recognise and use language relating to dates, including days of the week, weeks, months and years
	Understands that we need to pay for items in a shop and can talk about what they would like to buy		Talks about the different ways we can pay for things	Recognises that there are different coins	Can pay for items using 1p coins	Recognise and know the value of different denominations of coins and notes
<b>Measurement vocab</b>	Sequence Tallest Shortest Big Small Weight Heaviest Lightest Longest Length Days of the week Money Coins					

## Reception White Rose Maths Unit Overview – 2023-2024

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Getting to know you		Match, sort and compare		Talk about measure and patterns		It's me 1, 2, 3		Circles and triangles	1, 2, 3, 4, 5		Shapes with 4 sides
Spring	Alive in 5		Mass and capacity	Growing 6, 7, 8		Length, height and time		Building 9 and 10		Explore 3-D shapes		
Summer	To 20 and beyond		How many now?	Manipulate, compose and decompose		Sharing and grouping		Visualise, build and map		Make connections	Consolidation	