

Maths Long Term Plan

Nursery Long Term Plan (based on NCTEM)

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Staggered start. Continuous Provision / Initial Assessments											
	Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'.											
	Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc. • Combine shapes to make new ones – an arch, a bigger triangle etc.											
Spring	Step 1 Meet One • Counting to 1	Step 2 Meet Two • 2 is one more than 1	Step 3 Counting to 2 • The 'twoness' of 2	Step 4 Meet Three • 3 is one more than 2	Step 5 Counting to 3 • Comparing numbers 1,2 and 3 – 'bigger' and 'smaller' • Ordering numbers 1 to 3 • 3 is made of 2 and 1	Step 6 Meet Four • 4 is one more than 3 • Counting to 4 • The structure of 4 as a square number • Recognition of 4 items without counting (subitising)	Step 7 Meet Five • 5 is one more than 4 • Counting to 5 • Line up 1 to 5 in order	Step 8 Counting to 4 • Adding 1s	Step 9 Counting to 5 • Line up 1 to 5 in order • Identify missing numbers within a 1 to 5 line-up	Step 10 The key principles of counting: • One-to-one correspondence – match one number name to each item to be counted • Cardinality – the last number in the count is the total size of the group • Stable order – say the number names in the correct order	Step 11 Subitising numbers 1 to 5 • Different ways of arranging blocks to 5 • Conservation of number – different arrangement of blocks but the number remains the same	Step 12 Composition of numbers 1 to 5 • Introduction to the 'part-part-whole' structure of number • Partitioning a whole number into parts • Conservation of number – a number can be partitioned but the whole (total) remains the same
	Describe a familiar route. • Discuss routes and locations, using words like 'in front of' and 'behind'						Understand position through words alone – for example, "The bag is under the table," – with no pointing.					
Summer	Step 13 4 can be partitioned into 2 and 2; and, 1 and 1 and 1 and 1.	Step 14 The number of a group can be changed by adding to it or taking from it. • Addition and subtraction of 1 • Number bonds to 5	Step 15 Addition and subtraction of numbers to 5 • Number bonds to 5	Consolidation of numbers 1 - 5	Consolidation of numbers 1 - 5	Consolidation of numbers 1 - 5	Consolidation counting to 5 and beyond	Consolidation of order of number	Consolidation of rules of counting	Consolidation / Assessment	Consolidation / Assessment	Consolidation / Assessment
	Make comparisons between objects relating to size, length, weight and capacity.						Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs' etc. • Extend and create ABAB patterns – stick, leaf, stick, leaf. • Notice and correct an error in a repeating pattern. • Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'					

2024/25 Reception will be having training on Mastering Number and adapting the long-term plan throughout the year.

Reception Long Term Plan (based on White Rose Maths)												
Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Continuous Provision	Baseline Assessment	Match and sort	Match, sort and compare	Talk about measure and pattern	Talk about measure and pattern	It's Me 1.2.3!	It's Me 1.2.3!	Circles and triangles	1,2,3,4,5	1,2,3,4,5	Shapes with 4 sides
Spring	Alive in 5	Alive in 5	Mass and capacity	Growing 6,7,8 6,7 & 8	Growing 6,7,8 Making Pairs	Length, height and time	Length, height and time	Building 9 and 10	Building 9 and 10	Building 9 and 10	Explore 3-D Shapes	Explore 3-D Shapes
Summer	To 20 and Beyond Building Numbers beyond 10	To 20 and Beyond Counting patterns beyond 10	How many now?	Manipulate, compose and decompose	Manipulate, compose and decompose	Sharing and grouping	Sharing and grouping	Visualise, build and map	Visualise, build and map	Visualise, build and map	Make connections	Consolidation

Y1-Y6 follow the small steps of White Rose Maths as a structure to our maths teaching. This structure is adapted to meet the needs of the cohort using other resources.

Year One Long Term Plan (based on White Rose Maths)												
Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Place Value within 10					Addition and Subtraction within 10					Geometry Shape	Consolidation
Spring	Place Value within 20			Addition and Subtraction within 20			Place Value within 50		Measurement Length and Height		Measurement Volume and Mass	
Summer	Multiplication and Division			Fractions		Geometry Position and Direction	Place Value within 100		Measurement Money	Measurement Time		Consolidation

Year Two Long Term Plan (based on White Rose Maths)

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number Place Value				Number Addition and Subtraction (Steps 1 -12)				Geometry: Properties of Shape		Number Addition and Subtraction (Step 13 – end of block)	
Spring	Number Addition and Subtraction (Step 13 – end of block)		Measurement Money		Number Multiplication and Division				Measurement- Length and Height		Measurement Capacity, Mass and Temperature	
Summer	Number Fractions			Measurement Time			Statistics		Geometry: Position and Direction		Consolidation	

Year Three Long Term Plan (based on White Rose Maths)

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number Place Value			Number Addition and Subtraction				Number Multiplication and Division B				
Spring	Number Multiplication and Division B			Measurement Length and Perimeter			Number Fractions		Measurement Mass and Capacity			
Summer	Number Fractions		Measurement Money and Time		Geometry Shape Properties of Shapes			Statistics		Consolidation		Number Fractions

Year Four Long Term Plan (based on White Rose Maths)

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number Place Value				Number Addition and Subtraction			Measurement Area	Number Multiplication and Division			
Spring	Number Multiplication and Division			Measurement Length and perimeter		Number Fractions				Number Decimals A		
Summer	Number Decimals B		Measurement Money		Measurement Time		Geometry Shape and symmetry		Statistics		Geometry Position and direction	

Year Five Long Term Plan (based on White Rose Maths)

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number: Place Value			Number: Addition and Subtraction		Number: Multiplication and Division A			Number: Fractions A			
Spring	Number: Multiplication and Division B			Number: Fractions B		Number: Decimals and percentages			Measurement: Perimeter and Area		Statistics	
Summer	Geometry: Shape			Geometry: Position and Direction		Number: Decimals			Number: Negative numbers	Measurement: Converting Units		Measurement: Volume

Year Six Long Term Plan (based on White Rose Maths)

Week	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	Number: Place Value		Number: Addition, Subtraction, Multiplication and Division					Number: Fractions				Measurement: Converting Units
Spring	Number: Ratio		Number: Algebra		Number: Decimals		Number: Fractions, Decimals and Percentages Algebra		Measurement: Area, Perimeter and Volume		Statistics	
Summer	Geometry: Shape			Geometry: Position and Direction	SATS	Consolidation and Themed projects						