



Reasoning Long Term Plan (EYFS)

Autumn		Spring		Summer	
<p>Children in Nursery will be learning to: A deep understanding of composition and cardinality of numbers 0-3 An understanding of the cardinal principle of counting- knowing that the last number we reach when counting is how many there are Subitising up to 3 objects</p> <p>Linked to White Rose Maths- Nursery: Consolidate 1-3 Finger counting to 5 Symbols and marks Problem solving up to 5 Position Location/routes Pattern Children in Reception will be learning to: A deep understanding of</p>	<p>Children in Nursery will be learning to: Recognising and writing numerals 1-3 Exploring and creating repeating patterns Begin to use language such as more than and fewer than when talking about numbers Exploring 2D and 3D shapes using some mathematical language such as sides, corners</p> <p>Linked to White Rose Maths- Nursery: Counting Ordering Finger counting to 5 Symbols and marks Problem solving up to 5 2 and 3D shapes Comparing with measures Children in Reception will be</p>	<p>Children in Nursery will be learning to: A deep understanding of the composition and cardinality of numbers 3-5 An understanding of the cardinal principle of counting knowing that the last number we reach when counting is how many there are Subitising up to 5 objects Recognising and writing numerals 3-5</p> <p>Linked to White Rose Maths- Nursery: Pattern Counting Finger numbers to 5 Symbols and marks Comparing quantities 2 and 3D shapes Sequencing Children in Reception will be learning to: A deep understanding of numbers 6-10, including composition, counting, subitising, addition and</p>	<p>Children in Nursery will be learning to: Exploring and creating repeating patterns Confidently use language such as more than and fewer than when talking about numbers Exploring 2D and 3D shapes using some mathematical language such as sides, corners Compare weight, length and height Begin to solve real world problems with numbers up to 5 Show finger numbers up to 5.</p> <p>Linked to White Rose Maths- Nursery: Subitising Ordering Sorting and matching Finger numbers to 5 Symbols and marks Comparing quantities Children in Reception will be learning to: Automatically recall some number bonds to 5 Verbally</p>	<p>Children in Nursery will be learning to: A deep understanding of composition and cardinality of numbers 0-5. An understanding of the cardinal principle of counting- knowing that the last number we reach when counting is how many there are. Subitising up to 5 objects. Recognising and writing numerals 0-5 Correcting errors in repeating patterns Confidently use language such as more than and fewer than when talking about numbers.</p> <p>Linked to White Rose Maths- Nursery: Solving problems up to 5 Subitising Compare measures Symbols and marks Comparing quantities Counting Sequencing Children in Reception will be</p>	<p>Children in Nursery will be learning to: Exploring 2D and 3D shapes using some mathematical language such as sides, corners Compare weight, length and height Solve real world problems with numbers up to 5 Show finger numbers up to 5 Beginning to mark make to represent their own mathematical symbols and record their thinking Use language related to time such as first and next</p> <p>Linked to White Rose Maths- Nursery: Counting Position Routes/locations Sequencing Solving problems beyond 5 Pattern Comparing measure Children in Reception will be learning to: Automatically recall double facts Compare quantities up to 10 and comparing when one is more</p>

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<p>numbers 0-5, including composition, counting, subitising, addition and subtraction, recognition 1:1 correspondence, size, weight and capacity, doubling, halving and sharing, less than, more than, 2D Shapes, money, 3D shape, time, measurement, position, distance</p> <p>White Rose Maths-Reception Only Getting to know you: Baseline Just like me: Match and sort Compare amounts Compare size mass and capacity Exploring patterns Consolidate 1-3</p>	<p>learning to: Exploring and creating repeating patterns Spatial reasoning through shape. Selecting, manipulating and rotating shapes Decomposing shapes to understand they can have other shapes within them too, just like numbers can Verbally count to 10, recognising the pattern of the counting system Recognise and write numerals 0- 5</p> <p>White Rose Maths-Reception Only It's me 1,2,3: Representing, comparing & composition of 1,2,3 Circles and Triangles Positional language Subitising Light and dark: Representing numbers to 5 One more and less Shapes with 4 sides Time</p>	<p>subtraction, recognition 1:1 correspondence, size, weight and capacity, doubling, halving and sharing, less than, more than, 2D Shapes, patterns, money, 3D shape, time, measurement, position, distance</p> <p>White Rose Maths-Reception Only Alive in 5: Introducing zero Comparing numbers to 5 Composition of 4 & 5 Compare mass and capacity Balancing numicon Growing 6,7,8: 6, 7 & 8 Making pairs Combining 2 groups Length & height/time Ten frames</p>	<p>count to 20, recognising the pattern of the counting system Explore and represent patterns within numbers including events and odds Recognise and write numerals 6-10</p> <p>White Rose Maths-Reception Only Building 9 & 10: 9 & 10 Comparing numbers to 10 Bonds to 10 3D shape Pattern Consolidation: Subitising Counting Composition</p>	<p>learning to: A deep understanding of numbers 0-10, including composition, counting, subitising, addition and subtraction, recognition 1:1 correspondence, size, weight and capacity, doubling, halving and sharing, less than, more than, 2D Shapes, patterns, money, 3D shape, time, measurement, position, distance Automatically recall number bonds to 5 and some number bonds to 10 Recognise and write numerals to 0-10</p> <p>White Rose Maths-Reception Only To 20 and beyond: Building numbers beyond 10 Counting patterns beyond 10 Number bonds 10-20 Match, rotate, manipulate First, then and now: Adding more Taking away Compose and decompose</p>	<p>or less than Verbally count to 20 and beyond, recognising the pattern of the counting system Explore and represent patterns within numbers including events and odds</p> <p>White Rose Maths-Reception Only Find my pattern: Double Sharing and grouping Even and odd Counting system On the move: Deepening understanding of the counting system Doubling Patterns & relationships</p>
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Reasoning Long Term Plan (Reception)

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
A	Getting to know you		Match sort and compare		Talk about measure and patterns		Its me 1,2,3		Circles and Triangles	1,2,3,4,5		Shapes with 4 sides
Sp	Alive in 5		Mass and capacity	Growing 6,7,8		Length, height and time			Building 9 and 10		Explore 3D Shapes	
Su	To 20 and beyond		How many now?	Manipulate, compose and decompose			Sharing and grouping		Visualise, build and map		Make connections	consolidate

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