



# Mathematics

## Long Term Plan 2024-25



**Nursery Rhyme Focus** - Children's 'number sense' will be developed alongside their communication and language skills. Singing rhymes will develop children's understanding of number and pattern.

**Maths linked to Stories and Theme** - Children will develop their love of maths through stories they are learning. Group time, 1:1 activities and continuous provision will provide opportunities for children to explore maths concepts linked to well know and favourite stories. We ensure that there are lots of opportunities for mathematical experiences in the continuous provision inside and out, daily.

### 2 – 3 Room

	Autumn 1		Autumn 2
	<b>Families - Who am I?</b>		<b>Winter - A New Season</b>
<b>Nursery Rhyme Focus</b>	<ul style="list-style-type: none"> <li>• If you're happy and you know it               <ul style="list-style-type: none"> <li>• Tommy Thumb</li> <li>• 5 Little Elephants</li> <li>• Down in the Jungle</li> </ul> </li> </ul>	<b>Half Term</b> 28.10.24	<ul style="list-style-type: none"> <li>• Twinkle, Twinkle Little Star</li> <li>• Dingle Dangle Scarecrow               <ul style="list-style-type: none"> <li>• The Three Bears</li> </ul> </li> <li>• Five Elves Jumping on the Bed</li> </ul>
<b>Maths linked to Stories and Rhyme</b>	Positional language Direction Big and small Reciting and counting to 5 Exploring changes in quantity Cooking - weighing and measuring		Exploring stars and other 2d shapes Reciting and counting to 3 Reciting and counting to 5 More/less Exploring changes in quantity
	Spring 1		Spring 2
	<b>Animals - Near and far</b>		<b>Spring – On the Farm</b>
<b>Nursery Rhyme Focus</b>	<ul style="list-style-type: none"> <li>• Two little dickie birds               <ul style="list-style-type: none"> <li>• Little Bo Peep</li> </ul> </li> <li>• Teddy Bear, Teddy Bear               <ul style="list-style-type: none"> <li>• Down by the Station</li> </ul> </li> <li>• We're going on a Bear Hunt</li> </ul>	<b>Half Term</b> 17.2.25	<ul style="list-style-type: none"> <li>• Five Little Ducks</li> <li>• Sleeping Bunnies</li> <li>• Old MacDonald</li> <li>• Incy Wincy Spider</li> </ul>
<b>Maths linked to</b>	Counting sets of 2's and pairing up animals and other items Giving 1 and 2 objects Positional language		Positional language Exploring daily routines Comparative language



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<b>Stories and Rhyme</b>	Exploring distance and movement		Counting 1:1 Comparing amount
	<b>Summer 1</b>		<b>Summer 2</b>
	<b>Growing and Changing</b>		<b>Summer Adventures</b>
<b>Nursery Rhyme Focus</b>	<ul style="list-style-type: none"> <li>• Humpty Dumpty</li> <li>• Miss Polly had a Dolly</li> <li>• Wiggly Woo</li> <li>• Hot Cross Buns</li> </ul>	<b>Half Term</b> <b>26.5.25</b>	<ul style="list-style-type: none"> <li>• 1,2,3,4,5 Once I caught a Fish Alive</li> <li>• Row, Row, Row your Boat</li> <li>• The Wheels on the Bus</li> <li>• I can Sing a Rainbow</li> </ul>
<b>Maths linked to Stories and Rhyme</b>	<ul style="list-style-type: none"> <li>• Exploring capacity</li> <li>• Exploring 'how many?'</li> <li>• Exploring money</li> <li>• Giving 1 and 2</li> </ul> <ul style="list-style-type: none"> <li>• Counting 1:1 correspondence Baking - weighing and measuring</li> </ul>		<ul style="list-style-type: none"> <li>• Reciting and counting to 5 Counting               <ul style="list-style-type: none"> <li>• 1:1 correspondence</li> <li>• Exploring capacity</li> </ul> </li> <li>• Exploring changes in quantity               <ul style="list-style-type: none"> <li>• Colour and pattern</li> </ul> </li> </ul>



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**Number concept focus** - Children will develop their 'number sense' throughout the year through learning number rhymes and focusing on 'Number of the Week'. This is to encourage children to use deeper thinking in making connections and exploring number patterns.

### Nursery

	Autumn 1		Autumn 2
	<b>I am Special</b>		<b>What's Happening Outside?</b>
<b>Number Concept Focus</b>	<ul style="list-style-type: none"> <li>• Focus on number rhyme 1-5</li> <li>• Representation of numbers</li> </ul>	<b>Half Term</b> 28.10.24	<ul style="list-style-type: none"> <li>• Focus on number rhyme 1-5</li> <li>• Representation of numbers</li> </ul>
<b>Maths linked to Stories and Themes</b>	<ul style="list-style-type: none"> <li>• Elmer, Owl Babies (NKT), TT The Little Red Hen               <ul style="list-style-type: none"> <li>• Number rhymes</li> </ul> </li> <li>• Colour, shape and pattern               <ul style="list-style-type: none"> <li>• Numbers 1-5</li> <li>• Size ordering</li> </ul> </li> <li>• Baking – weighing and measuring               <ul style="list-style-type: none"> <li>• Money</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• Gruffalo (NKT), Stickman, The Story of Diwali, TT The Gingerbread Man               <ul style="list-style-type: none"> <li>• Number rhymes</li> <li>• Rangoli pattern and shape                   <ul style="list-style-type: none"> <li>• Size ordering</li> </ul> </li> <li>• Positional language and direction</li> </ul> </li> <li>• Counting and sorting natural/found objects               <ul style="list-style-type: none"> <li>• Counting 1:1</li> <li>• Matching numeral to quantity</li> </ul> </li> <li>• Baking – weighing and measuring</li> </ul>
	Spring 1		Spring 2
	<b>Traditions and Cultures</b>		<b>Moving and Exploring</b>
<b>Number Concept Focus</b>	<ul style="list-style-type: none"> <li>• Number of the week 1-6</li> <li>• All about the number</li> </ul>		<ul style="list-style-type: none"> <li>• Number of the week 6-10</li> <li>• All about the number</li> </ul>
	<ul style="list-style-type: none"> <li>• Goldilocks and the Three Bears, The Three Billy Goats Gruff, Chinese New Year, TT Little Red Riding Hood               <ul style="list-style-type: none"> <li>• Number rhymes</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• Mr Gumpy's Outing</li> <li>• (NKT), Whatever Next (NKT), Mr Wolf's Pancakes</li> </ul>



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<b>Maths linked to Stories and Themes</b>	<ul style="list-style-type: none"> <li>• Exploring 3D shapes- building houses               <ul style="list-style-type: none"> <li>• Size ordering</li> </ul> </li> <li>• Recognising sets of 3 – subitising               <ul style="list-style-type: none"> <li>• Position and direction</li> </ul> </li> <li>• Baking – weighing and measuring               <ul style="list-style-type: none"> <li>• Solving number problems</li> </ul> </li> <li>• CNY – ordinal numbers and time/distance</li> </ul>	<b>Half Term 17.2.25</b>	<ul style="list-style-type: none"> <li>• Number rhymes</li> <li>• 2D and 3D shape constructions</li> <li>• Obstacle courses – ordinal numbers, direction and positional language               <ul style="list-style-type: none"> <li>• Reciting and counting forwards and backwards to 10</li> <li>• Ordering numbers to 10</li> </ul> </li> <li>• Baking – weighing and measuring</li> </ul>
	<b>Summer 1</b>		<b>Summer 2</b>
	<b>Growing and Changing</b>		<b>Animals and Habitats</b>
<b>Number Concept Focus</b>	<ul style="list-style-type: none"> <li>• Number of the week 1-6</li> <li>• Recap and consolidating</li> </ul>		<ul style="list-style-type: none"> <li>• Number of the week 6-10</li> <li>• Recap and consolidating</li> </ul>
<b>Maths linked to Stories and Themes</b>	<ul style="list-style-type: none"> <li>• The Very Hungry Caterpillar (NKT), Jasper’s Beanstalk               <ul style="list-style-type: none"> <li>• (NKT), TT Jack and the Beanstalk</li> <li>• Number rhymes</li> </ul> </li> <li>• Measuring and comparing length, size and time               <ul style="list-style-type: none"> <li>• Ordering numbers to 10</li> <li>• Comparing quantity</li> <li>• Counting 1:1</li> <li>• Counting and sorting</li> </ul> </li> </ul>	<b>Half Term 26.5.25</b>	<ul style="list-style-type: none"> <li>• TT The Three Little Pigs, Dear Zoo</li> <li>• (NKT), The Very Busy Spider, What the Ladybird Heard               <ul style="list-style-type: none"> <li>• Number rhymes</li> <li>• Constructing with shape                   <ul style="list-style-type: none"> <li>• Time</li> </ul> </li> </ul> </li> <li>• Positional and directional language               <ul style="list-style-type: none"> <li>• Counting 1:1</li> <li>• Comparing size</li> <li>• Problem solving</li> <li>• One more/one less</li> </ul> </li> </ul>



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In Reception we use the Maths Hub Planning and NCETM planning focusing on a Number of the Week. Through our Number of the Week, children have opportunities to subitise, compare numbers, double and half, time and explore compositions of numbers

### Reception

Autumn	Getting to know you	Match, sort and compare	Talk about measures and patterns.	It's Me 1, 2, 3!	Half Term 28.10.24	Circles and triangles	1, 2, 3, 4,5	Shapes with 4 sides	Alive in 5!	Mass and Capacity
Spring	Growing 6, 7, 8	Length, height, and time	Building 9 and 10	Half Term 17.2.25	Building 9 and 10	Exploring 3-D Shapes	To 20 and Beyond	How many now?		
Summer	Manipulate, compose and decompose	Sharing and Grouping	Visualise, build and Map	Half Term 26.5.25	Visualise, build and Map	Make Connections	Consolidation			



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### Year 1

<b>Year 1</b>											
<b>Autumn</b>	Number: Place Value (within 10)			Number: Addition and Subtraction (within 10)		<b>Half Term 28.10.24</b>	Number: Addition and Subtraction (within 10)	Geomet y: Shape	Number: Place Value (within 20)		
<b>Spring</b>	Number: Addition and Subtraction (within 20)		Number: Place Value (within 50)		Measure ment: Length	<b>Half Term 17.2.25</b>	Measure ment: Height	Measurement: Length and Height	Measurement: Mass and Volume	Number: Multiplication and Division	
<b>Summer</b>	Number: Multiplication and Division	Number: Fractions		Geomet y: Position direction	<b>Half Term 26.5.25</b>	Number: Place Value (within 100)		Measure ment: Money	Measurement: Time	Consolid ation	



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### Year 2

<b>Year 2</b>							
<b>Autumn</b>	<i>Number: Place Value</i>	<i>Number: Addition and Subtraction</i>	<b>Half Term 28.10.24</b>	<i>Addition and Subtraction</i>	<i>Geometry: Shape</i>	<i>Measurement: Money</i>	<i>Consolidation</i>
<b>Spring</b>	<i>Number: Multiplication and Division</i>		<b>Half Term 17.2.25</b>	<i>Measurement: Length and Height</i>	<i>Measurement: Mass, capacity, and temperature</i>	<i>Consolidation</i>	
<b>Summer</b>	<i>Number: Fractions</i>	<i>Measurement: Time</i>	<b>Half Term 26.5.25</b>	<i>Measurement: Time</i>	<i>Statistics</i>	<i>Geometry: Position and direction</i>	<i>Consolidation</i>



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### Year 3

<b>Year 3</b>							
<b>Autumn</b>	Number: Place Value	Number: Addition and Subtraction		<b>Half Term 28.10.24</b>	Number: Addition and Subtraction	Number: Multiplication and division A	Number: Multiplication and division B
<b>Spring</b>	Number: Multiplication and division B	Measurement: Length and Perimeter	Number: Fractions A	<b>Half Term 17.2.25</b>	Number: Fractions A	Measurement: Mass and Capacity	Number: Fractions B
<b>Summer</b>	Measurement: Money	Measurement: Time	<b>Half Term 26.5.25</b>		Geometry: Properties of Shape	Statistics	Consolidation





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### Year 4

<b>Year 4</b>										
<b>Autumn</b>	Number: Place Value		Number: Addition and Subtraction		Measurement: Area	<b>Half Term 28.10.24</b>	Number: Multiplication and division A and B		Consolidation	
<b>Spring</b>	Measurement: Length and Perimeter	Number: Fractions			<b>Half Term 17.2.25</b>	Number: Decimals A		Number: Decimals B		
<b>Summer</b>	Consolidation	Measurement: Money	Measurement: Time		<b>Half Term 26.5.25</b>	Geometry: Properties of Shape	Statistics	Geometry: Position and direction	Consolidation	



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### Year 5

<b>Year 5</b>							
<b>Autumn</b>	Number: Place Value	Number: Addition and Subtraction	Number: Multiplication and division A	<b>Half Term 28.10.24</b>	Number: Fractions A	Number: Multiplication and division B	
<b>Spring</b>	Number: Fractions B	Number: Decimals and Percentages	<b>Half Term 17.2.25</b>	Measurement: Perimeter and Area	Statistics	Geometry: Properties of Shape	
<b>Summer</b>	Geometry: Position and Direction	Number: Decimals	<b>Half Term 26.5.25</b>	Number: Negative Numbers	Measurement: Converting Units	Measurement: Volume	Consolidation



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### Year 6

<b>Year 6</b>											
<b>Autumn</b>	Number: Place Value	Geometry Position and direction	Number: Place Value	Geometry Position and direction	Number: Place Value	Number: Addition subtraction, multiplication, and division	<b>Half Term 28.10.24</b>	Number: Addition subtraction, multiplication, and division	Number: Fractions A	Number: Fractions B	Measurement: Converting Units
<b>Spring</b>	Number: Ratio and Proportion		Number: Algebra		Number: Decimals		<b>Half Term 17.2.25</b>	Number: FDP	Measurement: Perimeter, Area and Volume	Statistics	Geometry Property of Shape
<b>Summer</b>	Geometry: Properties of Shape		Revision	SATs Week	Investigations	<b>Half Term 26.5.25</b>	Investigations				