



Maths at Longmoor: Whole School Overview

<u>Year Group</u>	<u>Autumn Term</u>	<u>Spring Term</u>	<u>Summer Term</u>
Nursery	<p><u>Number - Based on the PITA (Point In Time Assessment) Statements</u> Begins to know that numbers identify how many objects are in a set up to 3 Begins to represent numbers using fingers and marks up to 3</p> <p><u>Numerical Patterns - Based on the PITA (Point In Time Assessment) Statements</u> Begins to use some number names and number language spontaneously. Compares two small groups of up to 5. Enjoys verbally counting as far as they can go. Begins to use 1:1 correspond when counting to 3 and beyond. Begins to recognise numbers 0-3</p> <p><u>Shape, Space, Measure - Based on the PITA (Point In Time Assessment) Statements</u> Moves and rotates objects to fit a space · Chooses items based on their shape which is appropriate · Enjoys partitioning and combining shapes to make new shapes.</p>	<p><u>Number - Based on the PITA (Point In Time Assessment) Statements</u> Sometimes matches numeral to quantity to 3 and beyond. Separates a group of 3 or 4 in different ways. Shows an interest in representing number. Begins to subitise to 3</p> <p><u>Numerical Patterns - Based on the PITA (Point In Time Assessment) Statements</u> Shows some curiosity for numbers around them. Counts 5 items using 1:1 correspondence. Compares small groups of up to 5 and beyond, saying when they are the same. Recites numbers to 10 with increasing independence. Shows an interest in number problems</p> <p><u>Shape, Space, Measure - Based on the PITA (Point In Time Assessment) Statements</u> Can sometimes compare shapes relating to size. Length, weight and capacity · Responds to positional/directional language · Explores/comments on informal language related to shape · Uses shapes appropriately in their play · Explores and talks about patterns around them · Recalls a sequence of events in their everyday life.</p>	<p><u>Number - Based on the PITA (Point In Time Assessment) Statements</u> Knows that numbers identify how many objects are in a set. Beginning to represent numbers using fingers, marks on paper or pictures. Sometimes matches numeral to quantity to 5 and sometimes beyond Separates a group of 3 or 4 objects in different ways. Shows an interest in representing number Subitise up to 3. Accurately counts objects to 5 Solves real life mathematical problems up to 5.</p> <p><u>Numerical Patterns - Based on the PITA (Point In Time Assessment) Statements</u> Uses some number names and number language spontaneously. Uses some number names accurately in play. Recites numbers in order to 10. Shows curiosity about numbers offering comments or asking questions. Compares two groups of objects (up to 4) saying when they are the same. Shows an interest in number problems. Shows an interest in numerals in the environment</p> <p><u>Shape, Space, Measure - Based on the PITA (Point In Time Assessment) Statements</u> Explores and talks about 2D and 3D shapes using informal and mathematical language. Understands positional language. Describes a route/location using positional language. Makes comparisons between objects relating to</p>



Maths at Longmoor: Whole School Overview

			<p>size, length, weight and capacity. Selects shapes appropriately in a task. Combines shapes to make new ones. Talks about and identifies patterns around them. Extends and creates patterns Notices and corrects an error in a repeated pattern. Begins to describe a sequence of events.</p>
<p>Reception</p>	<p><u>Mastering Number</u> Pupils will build on previous experiences of number from their home and nursery environments, and further develop their subitising and counting skills. They will explore the composition of numbers within 5. They will begin to compare sets of objects and use the language of comparison.</p> <p>Objectives not covered by Mastering Number will be picked up by the PITA (Point In Time Assessment) Statements: <u>Number (PITA)</u> Accurately counts objects/actions in different context to 5 (one to one correspondence). Identify composition of numbers 0-5. Begin to subitise up to 3. Identify some doubling facts to 3</p> <p><u>Numerical Patterns (PITA)</u> Verbally count confidently to 10. Recognises and re-orders numbers 0-5. Selects the correct numeral to represent 1-5, then 1-10 objects. Begins to recognise the pattern of the counting system (0-9). Compares quantities to 5 and beyond Knowing what is more. Begins to use the vocabulary involved in adding and subtracting (more, add, altogether, take away, less, less than, fewer).</p> <p><u>Shape, Space, Measure (PITA)</u></p>	<p><u>Mastering Number</u> Pupils will continue to develop their subitising and counting skills and explore the composition of numbers within and beyond 5. They will begin to identify when two sets are equal or unequal and connect two equal groups to doubles. They will begin to connect quantities to numerals.</p> <p>Objectives not covered by Mastering Number will be picked up by the PITA (Point In Time Assessment) Statements: <u>Number (PITA)</u> Begin to counts objects/actions in different to 10 (one to one correspondence). Identify composition of numbers 5-7, then 8-10. Begin to subitise up to 5. Finds some number bonds to 5. Identify some subtraction facts of 5. Identify some doubling facts to 5</p> <p><u>Numerical Patterns (PITA)</u> Verbally count beyond 10, then to 20. Recognises and re-orders numbers 0-10. Selects the correct numeral to represent 1-10 objects. Begins to recognise the pattern of the counting system (11-19). Compares quantities to 10 knowing what is less or more. To use with increasing accuracy vocabulary involved in adding and subtracting (greater, less than, same, double, half, total, equals)</p> <p><u>Shape, Space, Measure (PITA)</u></p>	<p><u>Mastering Number</u> Pupils will consolidate their counting skills, counting to larger numbers and developing a wider range of counting strategies. They will secure knowledge of number facts through varied practice.</p> <p>Objectives not covered by Mastering Number will be picked up by the PITA (Point In Time Assessment) Statements: <u>Number (PITA)</u> Have deep understanding of number to 10, including the composition of each number. Subitise up to 5. Automatically recall (without reference to rhymes or counting aids etc) number bonds to 5(including subtraction facts) and some number bonds to 10, including double facts.</p> <p><u>Numerical Patterns (PITA)</u> Verbally count beyond 20, recognising the pattern of the counting system. Compare quantities to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity. Explore and represent patterns within numbers to 10, including odds and evens, double facts and how quantities can be distributed equally</p>



Maths at Longmoor: Whole School Overview

	Recognise 2D shapes and other shapes within it. Compose and decompose shapes. Responds to some positional language.		Selects, rotates and manipulates 2D shapes. Continue, copy and recreate repeating patterns. Compare length, weight and capacity. Uses some positional language		<u>Shape, Space, Measure (PITA)</u> Can order a sequence of events and use language related to time eg yesterday/tomorrow. Uses language related to money. Use positional vocabulary, including relative terms, to describe where things are. Recognise a range of triangles and say how they know what they are. Spot an error and 'correct' a pattern	
<u>Year Group</u>	<u>Autumn Term 1</u>	<u>Autumn Term 2</u>	<u>Spring Term 1</u>	<u>Spring Term 2</u>	<u>Summer Term 1</u>	<u>Summer Term 2</u>
Year 1	WRM: Place Value (within 10)	WRM: Addition and Subtraction (within 10) Shape Consolidation	WRM: Place Value (within 20) Addition and Subtraction (within 20)	WRM: Place Value (within 50) Length and Height Mass and volume	WRM: Multiplication and Division Fractions Position and direction	WRM: Place Value (within 100) Money Time
Year 2	WRM: Place Value Addition and Subtraction	WRM: Addition and Subtraction Shape	WRM: Money Multiplication and Division	WRM: Multiplication and Division Length and Height	WRM: Fractions Time	WRM: Statistics Position and Direction Consolidation



Maths at Longmoor: Whole School Overview

				Mass, Capacity and Temperature		
Year 3	WRM: Place Value Addition and Subtraction	WRM: Addition and Subtraction Multiplication and Division (A)	WRM: Multiplication and Division (B) Length and Perimeter	WRM: Fractions (A) Mass and Capacity	WRM: Fractions (B) Money Time	WRM: Time Shape Statistics Consolidation
Year 4	WRM: Place Value Addition and Subtraction	WRM: Area Multiplication and Division (A)	WRM: Multiplication and Division (B) Length and Perimeter	WRM: Fractions Decimals (A)	WRM: Decimals (B) Money Time	WRM: Shape Statistics Position and Direction Consolidation
Year 5	WRM: Place Value Addition and Subtraction	WRM:	WRM: Multiplication and Division (B)	WRM: Decimals and Percentages	WRM: Shape	WRM: Decimals



Maths at Longmoor: Whole School Overview

	Multiplication and Division (A)	Multiplication and Division (A) Fractions (A)	Decimals and Percentages Perimeter and Area	Perimeter and Area Statistics	Position and Direction Decimals	Negative Numbers Converting Units Volume
Year 6	WRM: Place Value Addition, Subtraction, Multiplication, Division	WRM: Fractions (A) Fractions (B) Converting Units	WRM: Ratio Algebra Decimals	WRM: Fractions, Decimals and Percentages Area, Perimeter, Volume Statistics	WRM: Shape Position and Direction	WRM: Themed Projects Consolidation Problem Solving