



# Nursery Mathematics Overview

*'We create a nurturing environment which both inspires and challenges our whole school family, equipping our children to have high aspirations to: 'Dream big, love God and live well.'*

<p><b>Areas of learning covered.</b></p>	<p>Recognising and counting numbers to 5. 2D Shapes. Number rhymes. Sequencing. More and less Day of the week</p>		<p>One more/less. Size. Recognising and counting numbers beyond 5. Representing numbers. Subitising. Patterns. Positional Language.</p>		<p>2D and 3D shapes. Sequences. Size. Length. Weight and Capacity. Review of previously taught concepts. Positional Language. Problem solving</p>	
<p><b>Nursery Skills</b></p>	<p>To talk about what happened today, yesterday and tomorrow.</p> <p>To count out a group of up to 5 objects.</p> <p>To show an understanding of 1:1 counting to 5.</p> <p>Knowing that the last number you count represents the total number of objects</p> <p>Talk about and explore 2D shapes using relevant mathematical vocabulary such as flat/sides/ round/ straight/ corners</p>	<p>To count out a group of up to 5 objects.</p> <p>To match number of objects to numeral.</p> <p>To show an understanding of 1:1 counting to 5.</p> <p>Knowing that the last number you count represents the total number of objects</p> <p>To identify which group has more or less.</p> <p>Talk about and explore 2D shapes using relevant mathematical vocabulary such as flat/sides/ round/ straight/ corners</p>	<p>To count out a group of up to 10 objects.</p> <p>To begin to identify one more/less using a number line.</p> <p>To develop fast recognition of numbers.</p> <p>To count up to 10.</p> <p>To show an awareness of how numerals are formed and to experiment with own mathematical mark making.</p> <p>To talk about and explore patterns in the environment</p>	<p>To identify, describe and compare groups of objects.</p> <p>To compare and order objects according to their weight and distance.</p> <p>To develop fast recognition of numbers.</p> <p>To count up to 10 and beyond.</p> <p>One more/less using a number line.</p> <p>To show an awareness of positional language such as under/behind/ next to/over/ on top of.</p> <p>To independently create and talk about</p>	<p>Practical problem solving with numbers up to 5.</p> <p>To select and use shapes appropriately in play, combining them to make models and enclosures.</p> <p>To develop fast recognition of numbers.</p> <p>To use relevant mathematical vocabulary when talking about learning.</p> <p>To begin to make sensible comparisons between objects relating to size, length, weight and capacity.</p>	<p>To count, order and recognise numbers to 10, in and out of sequence</p> <p>To name and describe 2D shapes.</p> <p>To name some common 3D shapes and properties.</p> <p>To compare and order objects according to their size and distance.</p> <p>To develop fast recognition of numbers.</p> <p>To use relevant mathematical vocabulary when talking about learning.</p> <p>To begin to describe a sequence of events accurately.</p>

		To use 2D shapes to make arrangements.		own patterns using a range of objects and resources.	To begin to describe a sequence of events accurately.  To recall simple facts about a familiar journey.	To recall simple facts about a familiar journey.  To solve real-life mathematical problems.
<b>Nursery Knowledge</b>	<p>Singing a range of number songs.</p> <p>To say number names to 5 in order.</p> <p>To know that time can be measured using days.</p> <p>To know that the last number said represents the total number of objects</p> <p>To show an awareness and name some 2D shapes in the environment.</p> <p>To know the days of the week.</p>	<p>To say number names to 10 in order.</p> <p>To know that a group of objects can also be represented by a number</p> <p>Singing a range of number songs.</p> <p>To know that the last number said represents the total number of objects</p> <p>To show an awareness and name some 2D shapes in the environment.</p> <p>To know when a group has more or less objects.</p>	<p>To create and repeat simple patterns.</p> <p>To subitise to 3.</p> <p>To know number order beyond 5 when counting.</p> <p>To say number names to 10 in order.</p> <p>To be able to say number names forwards and backwards to 10.</p> <p>To know that each object should only be counted once.</p> <p>Singing a range of number songs.</p>	<p>To subitise to 3.</p> <p>To know number order beyond 5 when counting.</p> <p>To use the language of more and less to compare amounts.</p> <p>To know that numbers can be ordered.</p> <p>To be able to demonstrate through games and role play an understanding of positional language.</p> <p>Singing a range of number songs.</p>	<p>To subitise to 6.</p> <p>To remember the order in which things happen.</p> <p>To know that subtraction means taking an amount away from a group.</p> <p>To know that some shapes more appropriate than others when building.</p> <p>To remember different aspects of a journey, e.g. "I walked over a bridge to get to school".</p>	<p>To subitise to 6.</p> <p>To learn vocabulary linked to describing size and distance</p> <p>To be able to say number names forwards and backwards to 15.</p> <p>To remember the order in which things happen.</p> <p>To remember different aspects of a journey, e.g. "I walked over a bridge to get to school".</p>