

Moldgreen Community Primary School – Progression in Early Years Mathematics

		Pre-School	Nursery	Reception
Skills	Counting Place Value Counting and Ordering Rounding and Estimating Sequences and Patterns Number Problems	<p>Recognition of up to 3 objects, without having to count them (subitising)</p> <p>Recite numbers up to 5</p> <p>Say one number for each item in order 1,2,3.</p> <p>Show finger numbers up to 3.</p> <p>Experiment with their own symbols and marks as well as numerals.</p> <p>Compare using language: 'more' or 'less'.</p> <p>Talk about and identifies the patterns around them. For example: stripes or spots on clothes.</p> <p>Understand informal language like 'pointy', 'spotty', 'blobs' etc.</p>	<p>Fast recognition of up to 3 objects, without having to count them (subitising)</p> <p>Recite numbers past 5</p> <p>Say one number for each item in order 1,2,3,4,5</p> <p>Know that the last number reached when counting a small set of objects tells you the total (cardinal principal)</p> <p>Show finger numbers up to 5.</p> <p>Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5</p> <p>Experiment with their own symbols and marks as well as numerals.</p> <p>Solve real world mathematical problems with numbers up to 5.</p> <p>Compare using language: 'more than' 'fewer than'.</p> <p>Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper.</p> <p>Use informal language like 'pointy', 'spotty', 'blobs' etc.</p> <p>Extend and create ABAB patterns - stick, leaf, stick, leaf.</p> <p>Notice and correct an error in a repeating pattern.</p>	<p>Count objects, actions and sounds.</p> <p>Subitise</p> <p>Count beyond 10</p> <p>Link the number symbol (numeral) with its cardinal number value.</p> <p>Compare numbers</p> <p>Understand the 'one more than/one less than' relationship between consecutive numbers.</p> <p>Explore the composition of numbers to 10</p> <p>Automatically recall number bonds for numbers 0 - 10.</p> <p>Continue, copy and create repeating patterns eg ABAB, ABBABB, ABCABC</p> <p>ELG Have a deep understanding of number to 10, including the composition of each number.</p> <p>Subitise (recognise quantities without counting) up to 5.</p> <p>Verbally count beyond 20, recognising the pattern of the counting system.</p> <p>Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.</p> <p>Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</p>

	Addition and Subtraction			Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
	Multiplication and Division			
	Fractions			
	Measurement Weight/Height Mass	Begin to compare objects using words such as bigger or smaller	Make comparisons between objects relating to size, length, weight and capacity.	Compare length, weight and capacity.
	Time Money		Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...	
	Geometry Properties of Shape Angles and Rotation Patterns Position and Direction	Put shapes together to make a new structure Point to or find where things are showing they understand positional language	Talk about and explore 2d and 3d shapes using informal and mathematical language. 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. Understand position through words alone, for example, "The bag is under the table," with no pointing. Describe a familiar route. Discuss routes and locations, using words like 'in front of' and 'behind'.	Select, rotate and manipulate shapes in order to develop spatial reasoning skills. Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.
	Statistics Sorting and Classifying Data			