



Nursery Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	SETTLING WEEK	Number Facts Show 'finger numbers' up to 5. - Counting to 5 using fingers - Number rhymes	Number Facts Say one number for each item in order: 1,2,3,4,5. - Counting mathematical and real life objects - Number rhymes	Number Facts Experiments with their own symbols and marks as well as numerals (focus on the number 1). - Recognising the numeral - Number formation rhymes - Writing the numeral using gross and fine motor skills - Different representations of the numeral	Numerical Patterns Talk about and explore 2D shapes. - Circle - Rectangle - Triangle - Square	Numerical Patterns Talk about and explore 2D shapes using formal and mathematical language. - 'Sides' - 'Corners' - 'Straight' - 'Flat' - 'Round'	Numerical Patterns Make comparisons between objects relating to size, length, weight and capacity (focus on size). - Size - Shape - Big/small etc. objects



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Autumn 2	Number Facts	Number Facts	Number Facts	Numerical Patterns	Numerical Patterns	Numerical Patterns	Numerical Patterns
	Say one number for each item in order: 1,2,3,4,5. - Counting mathematical and real life objects - Number rhymes	Experiments with their own symbols and marks as well as numerals (focus on the number 2). - Recognising the numeral - Number formation rhymes - Writing the numeral using gross and fine motor skills - Different representations of the numeral	Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). - Counting mathematical and real life objects - Same/different amount of objects - Matching the total to the numeral	Talk about and explore 3D shapes using informal and mathematical language. - Cube - Cuboid - Pyramid - Sphere	Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc. - Building with a purpose in mind - Using shapes effectively and for a purpose - Talking about the shapes they have used	Combine shapes to make new ones - an arch, a bigger triangle etc. - Recapping 2D and 3D shapes - Building in the maths and construction area - Talking about the shapes they have used and the shapes they have created	Making comparisons between objects relating to size, length, weight and capacity (focusing on length). - Size - Shape - Long/short etc. objects



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Spring 1	Number Facts	Number Facts	Number Facts	Number Facts	Number Facts	Number Facts	Number Facts
	Recite numbers past 5. - Counting the children in the class - Counting objects - Counting forwards and backward in a variety of playful contexts, e.g. rocket launches	Experiments with their own symbols and marks as well as numerals (focus on the number 3). - Recognising the numeral - Number formation rhymes - Writing the numeral using gross and fine motor skills - Different representations of the numeral	Fast recognition of up to 3 objects, without having to count them individually. - Point to small groups of objects - Ask children how much is in a small set	Experiments with their own symbols and marks as well as numerals (focus on the number 4). - Recognising the numeral - Number formation rhymes - Writing the numeral using gross and fine motor skills - Different representations of the numeral	Say one number for each item in order: 1,2,3,4,5. - Counting mathematical and real life objects - Number rhymes	Compare quantities using language: 'more than, fewer than'. - Discuss mathematical ideas throughout the day, inside and outside - Solving using fingers - Differences and changes in amounts	Recite numbers past 5. - Counting the children in the class - Counting objects - Counting forwards and backward in a variety of playful contexts, e.g. rocket launches



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Spring 2	Numerical Patterns	Numerical Patterns	Numerical Patterns	Numerical Patterns	Numerical Patterns	Numerical Patterns	Numerical Patterns
	Make comparisons between objects relating to size, length, weight and capacity (focusing on weight). - Size - Shape - Heavy/light etc. objects - Scales	Make comparisons between objects relating to size, length, weight and capacity (focusing on capacity). - Size - Shape - Full/half full/empty etc. objects - Glasses of water	Talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs' etc. - Patterns around the classroom/school	Extend and create ABAB patterns - stick, leaf, stick, leaf. - Create patterns using natural and everyday objects and materials - Use blocks and shapes - Making their own patterns - Address mistakes	Notice and correct an error in a repeating pattern. - Engaging in and inventing patterns - Patterns with movement and music patterns	Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...' - Patterns of events - The sequence of events in stories - Use vocabulary based on the time of the day - Countdown to forthcoming events	Talk about and explore 2D shapes. - Circle - Rectangle - Triangle - Square



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Summer 1	Number Facts Experiments with their own symbols and marks as well as numerals (focus on the number 5). - Recognising the numeral - Number formation rhymes - Writing the numeral using gross and fine motor skills - Different representations of the numeral	Number Facts Experiments with their own symbols and marks as well as numerals (recap all 5 numbers). - Recognising the numeral - Number formation rhymes - Writing the numeral independently - Different representations of the numeral	Number Facts Link numerals to amounts: for example, showing the right number of objects to match to the numeral, up to 5. - Using small numbers to manage the learning environment - Matching different representations of each number to the numeral	Number Facts Solve real world mathematical problems with numbers up to 5. - Introduce the children to the language of addition, e.g. 'add', 'equals', all together' - Get the children involved in making an recording the sums	Number Facts Solve real world mathematical problems with numbers up to 5. - Get the children involved in making an recording the sums	Number Facts Solve real world mathematical problems with numbers up to 5. - Numicon, counters - Writing sums, e.g. $1+1=2$, $1+2=3$, $1+3=4$ etc.	Numerical Patterns Talk about and explore 3D shapes using informal and mathematical language. - Cube - Cuboid - Pyramid - Sphere



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Summer 2	Numerical Patterns	Numerical Patterns	Numerical Patterns	Number Facts	CONSOLIDATION
	Understand position through words alone - for example, "The bag is under the table," - with no pointing. - Discuss position in real contexts - Use spatial words in play - Following rhyming clues to find objects in different positions	Describe a familiar route. - Take the children to a different part of the school then recall the route and order	Discuss routes and locations, using words like 'in front of' and 'behind'. - Set up obstacle courses - Provide complex tracks for the children to play freely with - Read 'Rosie's Walk'	Solve real world mathematical problems with numbers up to 5. - Numicon, counters - Writing sums, e.g. $1+1=2$, $1+2=3$, $1+3=4$ etc.	



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