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** **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	**Number Facts** **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	**Number Facts** **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	**Number Facts** **Experiments with their own symbols and marks 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	**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** **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	**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

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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** **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	**Numerical Patterns** **Describe a familiar route.** - Take the children to a different part of the school then recall the route and order	**Numerical Patterns** **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'	**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.	**CONSOLIDATION**

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