Nursery Maths Long Term Plan

September 2023

Category	Statement	How it will be covered	Time scale
Numbers 0-3years	Combine objects like stacking blocks and cups. Put objects inside others and take them out again.	Large and small building blocks available during Child Led Play. Cooking equipment. Sand play.	Year round Year round Year round
Numbers 0-3years	Take part in finger rhymes with numbers.	Whole class singing activities	Year round
Numbers 0-3years	React to changes of amount in a group of up to three items	Food role play - CLP Use of numicon tiles with adult Counting bears Board games with adults	Year round Year round Year round Year round
Numbers 0-3years	Compare amounts, saying 'lots', 'more' or 'same'.	Food role play Manipulative play with adult (threading, building, craft)	Year round Year round
Numbers 0-3years	Develop counting-like behaviour, such as making sounds, pointing or saying some numbers in sequence.	Circle time counting together Counting video Teacher modelling during play	Autumn term Autumn term Year round
Numbers 0-3years	Climb and squeeze themselves into different types of spaces.	PE in small hall chalks shapes on main playground	Spring term Summer term
Numbers 0-3years	Build with a range of resources.	Large and small building blocks CLP Sticklebricks/duople/interstar/magnetic shapes Lego Junk modelling Large link blocks Sand castles	Year round Year round Summer term Spring term Year round Spring and summer term

Numbers 0-3years	Complete inset puzzles.	Wooden jigsaws inside	Year round
Numbers 0-3years	Compare sizes, weights etc. using gesture and language - 'bigger/little/smaller', 'high/low', 'tall', 'heavy'	Weighing toys with scales Baking Small groups with adult Adult interaction during CLP	Year round Year round Spring term Year round
Numbers 0-3years	Notice patterns and arrange things in patterns.	Threading Numicon tiles Coloured squares building blocks Circle time – animal patterns	Year round Year round Year round Year round Summer term
Numbers 3-4years	Develop fast recognition of up to 3 objects, without having to count them individually	Dice games with teacher Circle time Teacher questioning during CLP	Year round Spring term Year round
Numbers 3-4years	Recite numbers past 5.	Circle time counting Counting video	Year round Autumn term
Numbers 3-4years	Say one number for each item in order: 1,2,3,4,5.	Circle time counting objects Number blocks counting video Teacher modelling during CLP	Autumn term Autumn term Year round
Numbers 3-4years	Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle')	Circle time counting objects Number blocks counting video Teacher modelling during CLP Use of numicon tiles – in circle time and, CLP and teacher led groups	Autumn term Autumn term Year round Year round
Numbers 3-4years	Show 'finger numbers' up to 5.	Singing songs Circle time	Year round Year round
Numbers 3-4years	Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5.	Teacher led small groups games Teacher questioning during CLP	Autumn and summer term Year round
Numbers 3-4years	Experiment with their own symbols and marks as well as numerals.	Tally charts during circle time Chalk drawing outside Checking in passengers in aeroplane role play area	Year round Year round Spring term Year round

		Writing on clipboards (eg recording time of race) – adult led activities	
Numbers 3-4years	Solve real world mathematical problems with numbers up to 5	Teacher led small groups Working out date during carpet time Circle time questions Teacher questioning during CLP	Summer term Spring and summer term Spring and summer term Year round
Numbers 3-4years	Compare quantities using language: 'more than', 'fewer than'	Weighing toys with scales Baking Small groups with adult Adult interaction during CLP	Year round Year round Spring term Year round
Numerical patterns 3-4 years	Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'.	Introduce shapes circle time Circle time focusing on mathematical language Manipulative shapes available for CLP Shape stickers/paper for crafting Shape bingo Inventing a shape monster	Autumn term Spring term Year round Year round Year round Spring term
Numerical patterns 3-4 years	Understand position through words alone – for example, "The bag is under the table," – with no pointing.	Giving instructions involving location carpet time Treasure hunts Teacher led small groups	Spring term Year round Autumn and Spring term
Numerical patterns 3-4 years	Describe a familiar route.	Exploration topic – Going on a bear hunt, treasure maps	Spring term
Numerical patterns 3-4 years	Discuss routes and locations, using words like 'in front of' and 'behind'	Carpet time	Spring term
Numerical patterns 3-4 years	Make comparisons between objects relating to size, length, weight and capacity.	Carpet time comparing leaves Scales to weigh toys capacity of liquids – teacher led	Autumn term Year round Summer term
Numerical patterns 3-4 years	Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc	Building blocks 2D shapes Crafting with shapes	Year round Year round Year round

Numerical patterns 3-4 years	Combine shapes to make new ones – an arch, a bigger triangle, etc.	Teacher interact during CLP	Summer term
Numerical patterns 3-4 years	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 on animals Painting	Summer term Spring and summer term
Numerical patterns 3-4 years	Extend and create ABAB patterns – stick, leaf, stick, leaf.	Patterns with nature Animal patterns	Autumn term Summer term
Numerical patterns 3-4 years	Notice and correct an error in a repeating pattern.	Circle time	Summer term
Numerical patterns 3-4 years	Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...	Story writing with teacher Show and Tell	Spring and summer term Year round