The Nest Long Term Planning

Maths

"Learning to soar, powered by God."

Isaiah 40:31

Daily Routine					
Calendar	**Register**	**Number Rhyme**	**Counting**	**Snack**	**Weekly Number Focus**
Identify days of the week Today is… Tomorrow is… Yesterday was… Count down sleeps/days to particular events Numbers Months Seasons	Number of pupils Lunch choices – how many? Which has more/less?	Focus rhymes or one previously covered	Counting up to a given number Counting forwards/backwards Counting jumps, claps etc	Capacity – full, empty More/less Counting objects Size and shape	Formation Composition Subitise Numicon piece Tens frame Number bead

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
2-3 years **Development Matters**	 Combine objects like stacking blocks and cups. Put objects inside others and take them out again. Climb and squeeze themselves into different types of spaces	 Compare amounts, saying 'lots', 'more' or 'same' Build with a range of resources. Complete inset puzzles.	 Combine objects like stacking blocks and cups. Put objects inside others and take them out again. Compare sizes, weights etc. using gesture and language - 'bigger/little/smaller', 'high/low', 'tall', 'heavy'	 Take part in finger rhymes with numbers. React to changes of amount in a group of up to three items. Notice patterns and arrange things in patterns.	 Develop counting-like behaviour, such as making sounds, pointing or saying some numbers in sequence.	 Count in everyday contexts, sometimes skipping numbers – '1-2-3-5'.
3-4 years **Development Matters and NCETM**	Sequencing numbers Counting Subitising – rhymes and skittles Make comparisons between objects relating to size, length, weight and capacity. Understand position through words alone – for example, "The bag is under the table," – with no pointing.	Identifying groups with the same number of things Counting actions/sounds, saying number words in sequence Fast recognition up to 3 Shape awareness through construction - Select shapes appropriately Counting 1:1 – tagging each object to one number word	Say one number for each item in order: 1,2,3,4,5 Counting past 5 Recite numbers past 5. Experiment with their own symbols and marks as well as numerals. Show 'finger numbers' up to 5.	Length – longer/shorter Representing spatial relationships 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'. Continuing an AB pattern	Comparing numbers Compare quantities using language: 'more than', 'fewer than'. Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). Height – taller than/shorter than Solve real world mathematical problems with numbers up to 5 Describe a familiar route.	Developing spatial vocabulary (in, on, under, up, down, across) Combine shapes to make new ones Copying an AB pattern and making their own AB pattern Capacity – full/empty Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. Discuss routes and locations, using words like 'in front of' and 'behind'.
4-5 years **White Rose Maths and Numicon Firm Foundations**	Match and sort Compare amounts Compare size, mass & capacity Exploring pattern Representing 1, 2 & 3 Comparing 1, 2 & 3	Composition of 1, 2 & 3 Circles and triangles Positional language Representing numbers to 5 One more or less Shapes with 4 sides Time	Introducing zero Comparing numbers to 5 Composition of 4 & 5 Compare mass (2) Compare capacity (2) 6, 7 & 8 Combining two amounts	Making pairs Length & height Time (2) Counting to 9 & 10 Comparing numbers to 10 Bonds to 10 3-D shapes Spatial awareness Patterns	Build numbers beyond 10 Count patterns beyond 10 Spatial reasoning 1 Match, rotate, manipulate Adding more Taking away Spatial reasoning 2 Compose and decompose	Doubling Sharing & grouping Even & odd Spatial reasoning 3 Visualise and build Deepening understanding Patterns & relationships Spatial mapping (4) Mapping