



Mathematics Long Term Overview – 2024-2025



	Autumn	Spring	Summer
Nursery Staff know children really well and challenge them through play at appropriate levels.	Noticing stuff! Matching and sorting. One or lots. Numbers have an order; counting forwards and backwards to 3. Subitising two objects and images. Exploring and using everyday language of pattern leading to repeated patterns Shapes in the environment; everyday language. Everyday language of time. Size; big and small.	Numbers have an order; counting forwards and backwards to 5. Subitising 1-3 objects and images. Representing, comparing and composition of 2 and 3. Counting helps us to find out how many. Counting out sets 1-3. Primary colours. Explore patterns that repeat. Everyday language of time. Everyday language of shape.	Counting forwards and backwards to 5 and then 10. Numbers have an order; 1 more 1-4. Representing, comparing and the composition of 3 and 4. Subitising sets 1-5 using 5 frames and pattern recognition (perceptual). Counting helps us to find out how many. Counting out sets 1-5. Length and height. Introduction to 2D and 3D shapes. Everyday language of time. Capacity; full, not full, empty.
Reception *units are subject to change based on children's interests and points of entry	Key times of the day. Class routines. Match and sort. Compare amounts. Compare size, mass and capacity. Exploring pattern. Representing, comparing and composition of 1,2, and 3. Circles and triangles. Positional language. One more/less. Representing numbers to 5. Shapes with 4 sides. Time.	Introducing zero. Comparing numbers to 5. Composition of 4/5. Compare mass and capacity. 6,7,8 Combining 2 amounts. Making pairs. Length and height. Time. Counting to 9/10. Comparing numbers to 10. Bonds to 10. 3D shape Patterns.	To 20 and beyond. Building Numbers/counting patterns beyond 10. Spatial reasoning. Match, rotate, manipulate. Adding more and taking away. Compose and decompose. Doubling, sharing and grouping. Even and odd. Visualise and build. Deepening understanding of patterns and relationships. Mapping.
Year 1	Number – Counting to 100 and beyond. Number – Place Value (within 10) Number – Addition and Subtraction (within 10) Number – Place Value (within 20) Geometry – Shape	Number – Addition and Subtraction (within 20) Number – Place Value (within 50) Measurement -Length and Height Measurement – Mass and Volume Geometry – Shape – explore	Number – Multiplication and Division Number – Fractions – recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. Geometry – Position and Direction Number – Place Value (within 100) Measurement – Money and Time



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Year 2	Number – Place Value. Number – Addition and Subtraction. Geometry – Properties of shapes.	Number – Multiplication and Division. Number – Fractions – recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$. Write simple fractions. Geometry – Properties of Shapes. Statistics.	Measurement – Time. Geometry - Position and Direction. Measurement – Height and Length. Measurement – Mass, Capacity and Temperature.
Year 3	Number – Place Value Number – Addition and Subtraction Number – Multiplication and Division Geometry – Angles	Number – Fractions Measurement - Length and Perimeter Measurement - Money Statistics Number – Multiplication and Division Geometry - explore	Number – Fractions Measurement – Time Geometry – Properties of Shapes Measurement – Mass and Capacity
Year 4	Number – Place Value Number – Addition and Subtraction Number – Multiplication and Division Geometry – Properties of shape	Number – Multiplication and Division Measurement – Area and perimeter. Number – Fractions Number – Decimals Geometry – explore	Number – Decimals Measurement – Money Measurement – Time Statistics Geometry – Position + Direction
Year 5	Number – Place Value including negative numbers. Number – Addition and Subtraction Number – Multiplication and Division Number – Fractions Geometry – explore – shapes	Number – Multiplication and Division Number – Fractions Number – Decimals and Percentages Statistics Measurement – Perimeter and area Geometry – explore	Number – Decimals Geometry – Properties of Shapes Geometry – Position and Direction Measurements – Converting Units Measurements – Volume Measurement – explore – time
Year 6	Number – Place Value Number – The Four Operations Number – Fractions Geometry - position and direction Measurement – explore – time.	Number – Fractions, Decimals and Percentages Number – Algebra Measurement – Converting Units Measurement – Perimeter, Area and Volume Geometry – Position and direction	Number – Ratio Geometry – symmetry Statistics Contextual Projects