Maths Long Term Plan 2022 - 2023			
Year Group	**Autumn**	**Spring**	**Summer**
Nursery	✓ Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). ✓ Recite numbers past 5. ✓ Show 'finger numbers' up to 5. ✓ Say one number for each item in order: 1,2,3,4,5. ✓ Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). ✓ Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. ✓ Solve real-world mathematical problems with numbers up to 5. ✓ Make comparisons between objects relating to size, length ✓ 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'. ✓ Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...' ✓ 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.	✓ Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). ✓ Recite numbers past 5. ✓ Show 'finger numbers' up to 5. ✓ Say one number for each item in order: 1,2,3,4,5. ✓ Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). ✓ Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. ✓ Solve real world mathematical problems with numbers up to 5. ✓ Make comparisons between objects relating to size, length ✓ Compare quantities using language: 'more than', 'fewer than'. ✓ Extend and create ABAB patterns - stick, leaf, stick, leaf. ✓ Experiment with their own symbols and marks as well as numerals. ✓ Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...' ✓ Understand position through words alone - for example, "The bag is under the table," - with no pointing	✓ Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). ✓ Recite numbers past 5. ✓ Show 'finger numbers' up to 5. ✓ Say one number for each item in order: 1,2,3,4,5. ✓ Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). ✓ Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. ✓ Solve real world mathematical problems with numbers up to 5. ✓ Make comparisons between objects relating to size, length, weight and capacity ✓ Describe a familiar route ✓ Discuss routes and locations, using words like 'in front of' and 'behind' ✓ Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc ✓ Combine shapes to make new ones - an arch, a bigger triangle, etc ✓ Extend and create ABAB patterns - stick, leaf, stick, leaf ✓ Notice and correct an error in a repeating pattern.
	Getting to Know You and Baseline Assessments **Number:** Subitising to five Counting sets of objects (5) Counting out a given amount (5) Composition of numbers to 5 Stories linked to numbers One more one less Greater than/ fewer than **Measure, Shape and Spatial Thinking:** Triangles/circles Squares/rectangles Positional Language	**Number:** Introducing zero Comparing numbers to 5. Composition of 4 and 5 Introducing 6 7 8 Composition of 6 7 8 Introduce 10 frames Combining 2 amount/addition: part-part-whole model Comparing numbers to 10 Number bonds to 10 Odd and even Doubling **Measure, Shape and Spatial Thinking:** Mass: heavier and lighter	**Number:** Addition and subtraction (beyond 10) Sharing and grouping **Measure, Shape and Spatial Thinking:** 3D shape Pattern Length and height Time Capacity Spatial reasoning **Time to consolidate learning**

	Time: sequencing days of the week, sequencing events (daily events) Compare Size, Mass and Capacity Exploring Pattern		
	Continuous provision will provide additional mathematic opportunities across EYFS		
1	Number: Place Value (within 10) Number: Addition and Subtraction (within 10) Geometry: Shape	Number: Place Value (within 20) Number: Addition and Subtraction (within 20) Number: Place Value (within 50) Measurement: Length and Height Measurement: Weight and Volume	Number: Multiplication and Division Number: Fractions Geometry: Position and Direction Number: Place Value (within 100) Measurement: Money Measurement: Time
2	Number: Place Value Number: Addition and Subtraction Geometry: Shape	Measurement: Money Number: Multiplication and Division Measurement: Length and Height Measurement: Mass, Capacity and Temperature	Statistics Number: Fractions Geometry: Position and Direction Measurement: Time
3	Number: Place Value Number: Addition and Subtraction Number: Multiplication and Division (A)	Number: Multiplication and Division (B) Measurement: Length and Perimeter Number: Fractions (A) Measurement: Mass and Capacity	Number: Fractions (B) Measurement: Money Measurement: Time Geometry: Shape Statistics
4	Number: Place Value Number: Addition and Subtraction Measurement: Area Number: Multiplication and Division	Number: Multiplication and Division Measurement: Length and Perimeter Number: Fractions Number: Decimals	Number: Decimals Measurement: Money Measurement: Time Geometry: Shape Statistics Geometry: Position and Direction
5	Number: Place Value Number: Addition and Subtraction Number: Multiplication and Division Number: Fractions (A)	Number: Multiplication and Division Number: Fractions (B) Number: Decimals and Percentages Measurement: Perimeter and Area Statistics	Geometry: Shape Geometry: Position and Direction Number: Decimals Number: Negative Numbers Measurement: Converting Units Measurement: Volume
6	Number: Place Value Number: Four Operations Number: Fractions (A) Number: Fractions (B) Measurement: Converting Units	Number: Ratio Number: Algebra Number: Decimals Number: Fractions, Decimals and Percentages Measurement: Area, Perimeter and Volume Statistics	Geometry: Shape Geometry: Position and Direction