Maths Long Term Plan:

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Numbers: Distinguish between quantities when a group of objects is more than one. Show awareness of 1:1 correspondence through practical everyday experience. Shape, Space and Measures Sorting for object, size, colour. Positional language: up, down Shape recognition: basic 2D shapes.	Numbers: Begin to make comparisons between quantities. Use some number language such as "more" "a lot" Shape, Space and Measures Use language such as circle to describe the shape and size of a flat shape. Model use of positional language.	Numbers: Appreciate that numbers can identify how many objects are in a set. Count up to 5 objects by touching each object and saying number name for each item. Know that the last number in the count is the total. Shape, Space and Measures Encourage children to talk about the shapes in everyday objects. Now use the language e.g. circle, bigger to describe the shape.	Numbers: Represent numbers up to 5 using fingers 30-50months. Recognise groups with 1 2 or 3 objects 30-50months. Match groups with the same number of objects (1 – 3) 30-50months. Shape, Space and Measures Encourage children to talk about the shapes in everyday objects. Now use the language e.g. circle, bigger to describe the shape. Model the use of size language such	Numbers: Represent numbers up to 10 using fingers 30-50months. Count reliably to 10 objects including those that cannot be moved 30-50months. Count actions or sounds 30-50months. Shape, Space and Measures Encourage children to order items by size, length and weight. Develop mathematical ideas and methods to solve practical problems.	Numbers: Count out a small number of objects (6) from a large group 30-50months. Match and compare the numbers of objects in 2 sets recognising when the sets contain the same number of objects 30-50months. Move around, or partition and recombine small groups up to 4 objects, and recognise that the total is still the same 30-50months. Shape, Space and Measures Develop mathematical ideas and methods to solve practical problems.

			Model the use of size language such big, little and heavy, light. Use everyday words to describe capacity.	big, little and heavy, light. Size, length and weight.	Create puzzles using shapes.	Use everyday words to describe capacity.
Reception	**Number** • Recognise some numerals of personal significance. • Recognises numerals 1 to 5. • Count up to three or four objects by saying one number name for each item. • Count actions or objects which cannot be moved. • Select the correct numeral to represent 1 to 5 objects. • Count an irregular	**Number** • Use the language of 'more' and 'fewer' to compare two sets of objects. • Find the total number of items in two groups by counting all of them. • Say the number that is one more than a given number. • Find one more or one less from a group of up to five objects. • In practical activities and discussion, begin to use the vocabulary involved in adding and subtracting.	**Number** • Recognise numerals 1 to 10. • Count out up to 10 objects from a larger group. • Count actions or objects which cannot be moved. • Select the correct numeral to represent 1 to 10 objects. Count objects to 10. • Count an irregular arrangement of up to 10 objects. **Shape Space and Measures** • Order two or three items by length or height.	**Number** • Use the language of 'more' and 'fewer' to compare two sets of objects. • Find the total number of items in two groups by counting all of them. • Say the number that is one more than a given number. • Find one more or one less from a group of up to 10 objects. • In practical activities and discussion, begin to use the vocabulary	**Number** • Recognise numerals 1 to 20 and beyond. • Count out up to 20 objects from a larger group. • Count actions or objects which cannot be moved. • Select the correct numeral to represent 1 to 20 objects. • Count objects to 20. • Count an irregular arrangement of up to 20 objects. **Shape space and Measures**	**Number** • Find the total number of items in two groups by counting all of them. • Say the number that is one more than a given number. • Find one more or one less from a group of up to 20 objects. • In practical activities and discussion, begin to use the vocabulary involved in adding and subtracting. • Estimate how many objects they can see

	arrangement of up to 5 objects. Shape, space and measures • Beginning to use mathematical names for 'flat' 2D shapes, and mathematical terms to describe shapes. • Selects a particular named shape. • Use familiar objects and common shapes to create and recreate patterns and build models.	Shape, space and measures • Beginning to use everyday language related to money.	• Order two items by weight or capacity.	involved in adding and subtracting. • Estimate how many objects they can see and checks by counting them. Shape Space and Measures • Beginning to use mathematical names for 'solid' 3D shapes and mathematical terms to describe shapes. • Select a particular named shape. • Use familiar objects and common shapes to create and recreate patterns and build models. • Use everyday language related to time.	• Create patterns • Use everyday language related to distance. • Explore time-o'clock • Compare, estimate and order capacity	and checks by counting them. • In practical activities and discussion, begin to use the vocabulary involved in doubling, halving and sharing. Shape space and Measures • Can describe their relative position such as 'behind' or 'next to'.

				• Order and sequences familiar events. • Measure short periods of time in simple ways.		
Year 1	Number and Place Value: Numbers to 10 Calculations: addition and subtraction within 10	Geometry: shape Number and Place Value: Numbers to 20	Calculations: addition and subtraction within 20 Number: place value within 50	Measurement: length and height Measurement: weight and volume	Calculations: Multiplication Calculations: Division Fractions Geometry – position and direction	Number and Place Value: Numbers to 100 Measurement: money Measurement: time
Year 2	Number and Place Value: Numbers to 100 Calculations: addition and subtraction	Measurement: money Calculations: Multiplication and division of 2, 5 and 10	Number: multiplication and division Statistics	Geometry: properties of 2D shapes Geometry: properties of 3D shapes Number: fractions	Measurement: Height and length Geometry: position and direction Problem solving	Measurement: time Measurement: mass, capacity and temperature
Year 3	Number and Place Value: Numbers to 1000 Calculations: addition and subtraction	Calculations: Multiplication and division	Calculations: Further multiplication and division Measurement: money Statistics: picture and bar graphs	Measurement: length and perimeter Number: fractions	Number: fractions Measurement: time	Geometry – properties of shapes: angles Geometry – properties of shapes: lines and shapes Measurement: mass and capacity
Year 4	Number and Place Value: Numbers to 10,000 Calculations: addition and subtraction	Measurement: length and perimeter Calculations: Multiplication and division	Calculations: Further multiplication and division Measurement: area Statistics: graphs Number: fractions	Number: fractions Number: decimals	Number: decimals Measurement: money Measurement: time	Statistics Geometry – properties of shapes: Geometry Geometry – position and direction:

						Position and Movement
Year 5	Number and Place Value: Numbers to 100,000 Calculations: addition and subtraction	Statistics: graphs Calculations: multiplication and division Measurement: area and perimeter	Calculations: multiplication and division

Number: fractions | Number: fractions Number: decimals and percentages | Number: decimals Geometry – properties if shapes: | Geometry: position and direction Measurement: converting units Measurement: volumes |
| **Year 6** | Number and Place Value: Numbers to 10 million Calculations: four operations on whole numbers | Number: fractions Measurement: position and direction | Number: decimals Number percentages | Number: Algebra Measurement: converting units Measurement: area, perimeter, volume Number: ratio Statistics: graphs and averages | Geometry: properties of shapes Consolidation, investigation and preparation for KS3 | Consolidation, investigation and preparation for KS3 |