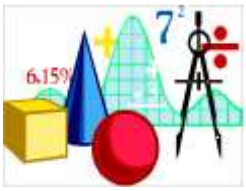
Sir John Offley CE VC Primary School

'With God all things are possible.'

Maths whole school overview



	Autumn	Spring	Summer
Nursery	NUMBER Fast recognition of up to three objects without having to count them – subitising. Recite numbers past 5. Say one number for each item in order: 1,2 ,3 ,4 ,5. Measure, shape and spatial thinking. Explore 2D shapes – circles, rectangles and triangles. Sides, corners, straight, flat, round. NUMBER Know that the last number reached when counting a small set of objects tells you how many there are in total (Cardinal principle) Show 'finger numbers' up to 5. Measure, shape and spatial thinking. Understand position through words alone. The bag is under the table.	NUMBER Link numbers and amounts for example showing the right number of objects to match a numeral up to 5. Measure, shape and spatial thinking. Explore 3D shapes – sphere, cones, cubes and cuboid. Sides, corners, straight, flat, round. Talk about and identify patterns around them. NUMBER Experiment with their own symbols and marks as well as numerals. Measure, shape and spatial thinking. Make comparisons between objects relating to size, length, weight and capacity	NUMBER Solve real world mathematical problems with numbers up to 5. Using numbers beyond 5. Orally counting up to 20. Measure, shape and spatial thinking. Describe a familiar route. Discuss routes and locations using words such as 'in front of' and 'behind'. NUMBER Compare quantities using language such as 'more than', 'fewer than'. Recognising numbers 0 – 10. Orally counting up to 20. Measure, shape and spatial thinking. Select shapes appropriately for a purpose. Combine shapes to make new ones. Notice and correct an error in a repeating pattern.
Reception	**Number** Match and sort Compare amounts Subitising Measure, shape and spatial thinking. Class routines – Key times of day. Where do things belong – positional language. Compare size, mass& capacity. Exploring pattern. **Number** Subitising. Representing 1,2&3 Comparing 1,2&3 Composition of 1,2&3 Representing numbers to 5. One more and less. Measure, shape and spatial	**Number** Introducing zero Comparing numbers to 5 Composition of 4&5 6,7&8 Making pairs Combining two groups Measure, shape and spatial thinking. Compare Mass Compare capacity **Number** 9&10 Comparing numbers to 10 Number bonds to 10 Measure, shape and spatial thinking. 3D shape Pattern	**Number** Building numbers beyond 10 Counting patterns beyond 10. Adding more Taking away Measure, shape and spatial thinking. Spatial reasoning Match, Rotate, manipulate. Compose and decompose. **Number** Doubling Sharing & grouping Even and Odd Deepening understanding patterns and relationships. Measure, shape and spatial thinking. Spatial reasoning Visualise and build Mapping

	thinking. Circles and triangles Positional language Shapes with 4 sides Time		
Year 1	Number: Place Value (within 10) Number: Addition and Subtraction (within 10) Geometry – shape Number: Place Value (within 20) Measurement: Length and Height	Number: Addition and Subtraction (within 20) Number: Place Value (within 50) (Multiples of 2, 5 and 10 to be included) Measurement: Length and Height Measurement: Mass and Volume	Number: Multiplication and Division (Reinforce multiples of 2, 5 and 10 to be included) Number: Fractions Geometry – position and direction Number: Place Value (within 100) Measurement – money Time
Year 2	Number: Place value Number: Addition and Subtraction Geometry: Properties of Shape	Measurement: Money Multiplication and Division Measurement: length and height Measurement: Mass, Capacity and Temperature Investigations	Statistics Number: Fractions Position and direction Problem solving and efficient methods Measurement: Time
Year 3	Number – Place Value Number – Addition and Subtraction Number – Multiplication and Division	Number - Multiplication and Division Measurement: length and perimeter Number - Fractions Measurement: Mass and Capacity	Number – fractions Measurement – money Measurement: Time Geometry – Properties of Shapes Statistics
Year 4	Number – Place Value Number- Addition and Subtraction Measurement – area Number- Multiplication and Division	Number- Multiplication and Division Measurement – length and perimeter Fractions Decimals	Decimals Measurement- Money Time Geometry- Properties of Shape Statistics Geometry – position and direction
Year 5	Number – Place Value Number – Addition and Subtraction Number – Multiplication and Division Number – Fractions A	Number – Multiplication and Division Number – Fractions B Number – Decimals & Percentages Perimeter and Area Statistics	Geometry- Properties of Shapes Geometry – position and direction Number – Decimals Number – Negative Numbers Measurement- Converting Units Measure and volume
Year 6	Number- Place Value Number- Addition, Subtraction, Multiplication and Division Fractions A and B Measurement- Converting Units	Number- Ratio Number- Algebra Number- Decimals Fractions, Decimals and Percentages Measurement Perimeter, Area and Volume	Geometry- Properties of Shapes Problem solving Statistics Investigations Geometry – position and direction