# Sir John Offley CE VC Primary School 

'With God all things are possible.'

## Maths whole school overview



|  | Autumn | Spring | Summer |
| :---: | :---: | :---: | :---: |
| Nursery | NUMBER <br> 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 <br> $, 4,5$. Measure, shape and spatial thinking. Explore 2D shapes - circles, rectangles and triangles. Sides, corners, straight, flat, round. <br> NUMBER <br> 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 <br> 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. <br> NUMBER <br> 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 <br> 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'. <br> NUMBER <br> Compare quantities using language such as 'more than', 'fewer than'. <br> 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 <br> 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. <br> Number <br> Subitising. Representing <br> 1,2\&3 Comparing 1,2\&3 <br> Composition of $1,2 \& 3$ <br> Representing numbers to <br> 5. One more and less. <br> Measure, shape and spatial | Number <br> Introducing zero <br> Comparing numbers to 5 <br> Composition of 4\&5 6,7\&8 <br> Making pairs Combining <br> two groups Measure, shape and spatial thinking. <br> Compare Mass Compare capacity <br> Number <br> 9\&10 Comparing numbers <br> to 10 Number bonds to 10 <br> Measure, shape and spatial <br> thinking. 3D shape Pattern | Number <br> Building numbers beyond <br> 10 Counting patterns beyond 10. Adding more Taking away Measure, shape and spatial thinking. Spatial reasoning Match, Rotate, manipulate. <br> Compose and decompose. <br> Number <br> 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 <br> (within 10) <br> Number: Addition and <br> Subtraction <br> (within 10) <br> Geometry - shape <br> Number: Place Value <br> (within 20) <br> Measurement: Length and <br> Height | Number: Addition and <br> Subtraction <br> (within 20) <br> Number: Place Value (within 50) (Multiples of 2, 5 and 10 to be included) Measurement: Length and Height <br> 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) <br> Measurement - money Time |
| Year 2 | Number: Place value <br> Number: Addition and <br> Subtraction <br> Geometry: Properties of Shape | Measurement: Money <br> Multiplication and Division <br> Measurement: length and height <br> Measurement: Mass, <br> Capacity and Temperature <br> Investigations | Statistics <br> Number: Fractions <br> Position and direction <br> Problem solving and efficient methods <br> Measurement: Time |
| Year 3 | Number - Place Value <br> Number - Addition and Subtraction <br> Number - Multiplication and Division | Number - Multiplication and Division <br> Measurement: length and perimeter <br> Number - Fractions <br> Measurement: Mass and Capacity | Number - fractions <br> Measurement - money <br> Measurement: Time <br> Geometry - Properties of <br> Shapes <br> Statistics |
| Year 4 | Number - Place Value <br> Number- Addition and <br> Subtraction <br> Measurement - area <br> Number- Multiplication and Division | Number- Multiplication and Division <br> Measurement - length and perimeter <br> Fractions <br> Decimals | Decimals <br> Measurement- Money <br> Time <br> Geometry- Properties of Shape <br> Statistics <br> Geometry - position and direction |
| Year 5 | Number - Place Value <br> Number - Addition and <br> Subtraction <br> Number - Multiplication and Division <br> Number - Fractions A | Number - Multiplication and Division <br> Number - Fractions B <br>  <br> Percentages <br> Perimeter and Area Statistics | Geometry- Properties of Shapes <br> Geometry - position and direction <br> Number - Decimals <br> Number - Negative <br> Numbers <br> Measurement-Converting <br> Units <br> Measure and volume |
| Year 6 | Number- Place Value <br> Number- Addition, <br> Subtraction, Multiplication and Division <br> Fractions $A$ and $B$ <br> Measurement- Converting <br> Units | Number- Ratio <br> Number- Algebra <br> Number- Decimals <br> Fractions, Decimals and <br> Percentages <br> Measurement Perimeter, <br> Area and Volume | Geometry- Properties of Shapes <br> Problem solving <br> Statistics <br> Investigations <br> Geometry - position and direction |

