

South Stoke Primary School Maths Medium Term Plan: Autumn 2  
EYFS

Autumn 2	<p>Mathematics - Children in Reception</p> <ul style="list-style-type: none"> <li>• Automatically recall number bonds for numbers 0 - 5</li> <li>• Count objects, actions and sounds</li> <li>• Subitise to 5</li> <li>• Link the number symbol with its cardinal number value to 5</li> <li>• Compare numbers to 5</li> <li>• Understand the one more than/one less than relationship between consecutive numbers to 5</li> <li>• Select, rotate and manipulate shapes in order to develop spatial reasoning skills</li> <li>• Compose and decompose shapes so that children recognise a shape can have other shapes within it just as numbers can</li> <li>• Continue, copy and create repeating patterns</li> <li>• Compare length, weight and capacity</li> </ul>
Small Steps	<p>Circles &amp; Triangles</p> <ul style="list-style-type: none"> <li>- Identify and name circles and triangles</li> <li>- Compare circles and triangles</li> <li>- Shapes in the environment</li> <li>- Describe position</li> </ul> <p>1, 2, 3, 4, 5</p> <ul style="list-style-type: none"> <li>- Find 4 &amp; 5</li> <li>- Subitise 4 &amp; 5</li> <li>- Represent 4 &amp; 5</li> <li>- 1 more</li> <li>- 1 less</li> <li>- Composition of 4 &amp; 5</li> <li>- Composition of 1-5</li> </ul> <p>Shapes with 4 sides</p> <ul style="list-style-type: none"> <li>- Identify and name shapes with 4 sides</li> <li>- Combine shapes with 4 sides</li> <li>- Shapes in the environment</li> <li>- My day and night</li> </ul> <p>Alive in 5</p> <ul style="list-style-type: none"> <li>- Introduce 0</li> <li>- Find 0 to 5</li> <li>- Subitise 0 - 5</li> <li>- 1 more</li> <li>- 1 less</li> <li>- Composition</li> <li>- Conceptual subitising to 5</li> </ul>

Vocabulary	Square, rectangle, oblong, side, corner, day, night, morning, afternoon, before, after, today, tomorrow, nothing, zero, more, less, fewer, greater, heavier/est, lighter/est, full, nearly full, nearly empty, empty, tall, thin, wide, narrow, Same, different, pair, big, small, sort, stack, roll, large, few/er/est, more, less, greater, taller, shortest, little, long, short, compare, next, before, one, two, three, curved, straight, side, corner, under, below, on, next to, over, between, four, five
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Key Stage 1

Autumn 2	Year 1	Year 2
Addition and Subtraction	<ul style="list-style-type: none"> <li>• Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>• Represent and use number bonds and realtor subtraction facts with 20</li> <li>• Add and subtract one-digit and two-digit numbers to 20, including 0</li> <li>• Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = ? - 9</math></li> </ul>	<ul style="list-style-type: none"> <li>• Solve problems with addition and subtraction: <ul style="list-style-type: none"> <li>• Using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>• Applying their increasing knowledge of mental and written methods</li> </ul> </li> <li>• Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100</li> <li>• Add and subtract numbers using concrete objects, pictorial representations and mentally including <ul style="list-style-type: none"> <li>• A two-digit number and ones</li> <li>• A two-digit number and tens</li> <li>• Two two-digit numbers</li> <li>• Adding three one digit numbers</li> </ul> </li> <li>• Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>• Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems</li> </ul>
Small steps	<ul style="list-style-type: none"> <li>• Subtraction - take away/cross out (How many left?)</li> <li>• Subtraction on a numberline</li> <li>• Add or subtract 1 or 2</li> <li>• Add by counting on within 20</li> <li>• Add ones using number bonds</li> <li>• Find and make number bonds to 20</li> <li>• Doubles</li> <li>• Near doubles</li> <li>• Subtract ones using number bonds</li> <li>• Subtract by counting back</li> <li>• Subtract by finding the difference</li> <li>• Related facts</li> <li>• Missing number problems</li> </ul>	<ul style="list-style-type: none"> <li>• Subtract a 1 digit number from a 2 digit number (across a 10)</li> <li>• 10 more 10 less</li> <li>• Add and subtract 10s</li> <li>• Add two 2-digit numbers (not across 10)</li> <li>• Add two 2-digit numbers (across 10)</li> <li>• Subtract two 2-digit numbers (not across a 10)</li> <li>• Subtract two 2-digit numbers (across a 10)</li> <li>• Mixed addition &amp; subtraction</li> <li>• Compare number sentences</li> <li>• Missing number problems</li> </ul>

Vocabulary	Addition, part, whole, number bonds, add, more, groups of, plus, increase, total, sum, altogether, addition sentence, subtraction, - subtract, minus, less, decrease, take away, fewer, leave, difference	Number bond, +, add, more, groups of, plus, increase, total, use, altogether, -, minus, subtract, less, decrease, take away, fewer, leave, difference, inverse,
Place Value	<ul style="list-style-type: none"> <li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li> <li>count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</li> <li>given a number, identify one more and one less</li> <li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> <li>read and write numbers from 1 to 20 in numerals and words.</li> </ul>	
Small steps	<ul style="list-style-type: none"> <li>Count from 20 to 50</li> <li>20, 30, 40, and 50</li> <li>Count by making groups of tens</li> <li>Partition into tens and ones</li> <li>The numberline to 50</li> <li>Estimate on a numberline to 50</li> <li>1 more 1 less</li> </ul>	
Vocabulary	Same, different, objects set, belong, count, how many, tens frame, start, next, forwards, backwards, less, group, match, compare, fewer/est, more, less than, greater than, equal to, number line, represent, start, end, jump, tens, ones, partition	
Shape	<ul style="list-style-type: none"> <li>Recognise and name common 2D and 3D shapes</li> </ul>	<ul style="list-style-type: none"> <li>Identify and describe the properties of 2D shapes including the number of sides and symmetry in a vertical line</li> <li>Identify and describe the properties of 3D shapes including the number of edges, vertices and faces</li> <li>Identify 2D shapes on the surface of 3D shapes</li> <li>Compare and sort common 2D and 3D shapes and everyday objects</li> </ul>
Small steps	<ul style="list-style-type: none"> <li>Recognise and name 3-d shapes</li> <li>Sort 3d shapes</li> <li>Recognise and name 2-d shapes</li> <li>Sort 2-d shapes</li> <li>Patterns with 2-d and 3-d shapes</li> </ul>	<ul style="list-style-type: none"> <li>Recognise 2D and 3d shapes</li> <li>Count sides on 2D shapes</li> <li>Count vertices on 2D shapes</li> <li>Draw 2D shapes</li> <li>Lines of symmetry on shapes</li> <li>Use lines of symmetry to complete shapes</li> <li>Sort 2D shapes</li> <li>Count faces on 3d shapes</li> </ul>

		<ul style="list-style-type: none"> <li>• Count edges on 3d shapes</li> <li>• Count vertices on 3d shapes</li> <li>• Sort 3d shapes</li> <li>• Make patterns with 2D and 3d shapes</li> </ul>
Vocabulary	2D, 3D, cube, cylinder, cuboid, pyramid, cone, sphere, flat, curved, side, edge, surface, faces, corners, rectangle, circle, square, triangle, straight, repeating pattern, next, before, after	2D, 3D, cube, cylinder, cuboid, pyramid, cone, sphere, flat, curved, side, edge, surface, faces, corners, rectangle, circle, square, triangle, straight, repeating pattern, next, before, after, vertices, symmetry, symmetrical