

South Stoke Primary School Maths Medium Term Plan: Autumn 1 & 2
EYFS

Autumn 1	<p>Mathematics - Children in Reception</p> <ul style="list-style-type: none"> • Count objects, actions and sounds • Subitise • Link the number symbol (numeral) with its cardinal number value • Compare numbers • Understand the one more than/one less than relationship between consecutive numbers • Explore the composition of numbers to 10 • Automatically recall number bonds for numbers 0-5 • Select, rotate and manipulate shapes to develop spatial reasoning skills • Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can • Continue, copy and create repeating patterns • Compare length, weight and capacity
Small Steps	<p>Match Sort & Compare</p> <ul style="list-style-type: none"> - Match objects - Match pictures and objects - Identify a set - Sort objects into a type - Explore sorting techniques - Create sorting rules - Compare amounts <p>Talk about Measures & Patterns</p> <ul style="list-style-type: none"> - Compare size - Compare mass - Compare capacity - Explore simple patterns - Create simple patterns <p>It's me 1, 2, 3</p> <ul style="list-style-type: none"> - Find 1, 2, 3 - Subitise 1, 2, 3 - Represent 1, 2, 3 - 1 more - 1 less - Composition of 1, 2, and 3
Vocabulary	<p>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</p>

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

Key Stage 1

Autumn 1	Year 1	Year 2
Place value	<ul style="list-style-type: none"> • count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • given a number, identify one more and one less • 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 • read and write numbers from 1 to 20 in numerals and words. 	<ul style="list-style-type: none"> • count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward • recognise the place value of each digit in a two-digit number (tens, ones) • identify, represent and estimate numbers using different representations, including • the number line • compare and order numbers from 0 up to 100; use <, > and = signs • read and write numbers to at least 100 in numerals and in words • use place value and number facts to solve problems.
Small steps	<ul style="list-style-type: none"> • Sort and count objects • Count objects from a larger group • Represent objects • Recognise numbers as words • Count on from any number • 1 more/less • Count backwards within 10 • Compare groups by matching • Fewer, more, same • Less than, equal to, greater than • Compare numbers • Order objects and numbers • The number line • Count within 20 • Understand 10 • Understand 11, 12, and 13 • Understand 14, 15 and 16 • Understand 17, 18 and 19 • Understand 20 • 1 more and 1 less • The numberline to 20 • Use a numberline to 20 • Estimate on a numberline to 20 • Order numbers to 20 	<ul style="list-style-type: none"> • Numbers to 20 • Count objects to 100 by making 10s • Recognise tens and ones • Use a place value chart • Partition numbers to 100 • Write numbers to 100 in words • Flexibly partition numbers to 100 • Write numbers to 100 in expanded form • 10s on the number line to 100 • 10s and 1s on the number line to 100 • Estimate numbers on a number line • Compare objects • Compare numbers • Order objects and numbers • Count in 2's 5's and 10's • Count in 3's
Vocabulary	Same, different, objects set, belong, count, how many, tens frame, start, next, forwards, backwards, less, group, match, compare, fewer/est, more, less than,	Count, how many, tens, ones, place value, partition, numerals, words, expanded form, number line, estimate, compare, groups, less, more, equal, fewer/est,

	greater than, equal to, number line, represent, start, end, jump	greater/est, twos, fives, tens, threes, steps
Addition and subtraction	<ul style="list-style-type: none"> • read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • add and subtract one-digit and two-digit numbers to 20, including zero • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = - 9$. 	<ul style="list-style-type: none"> • Solve problems with addition and subtraction: <ul style="list-style-type: none"> • Using concrete objects and pictorial representations, including those involving numbers, quantities and measures • Applying their increasing knowledge of mental and written methods • Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100 • Add and subtract numbers using concrete objects, pictorial representations and mentally including <ul style="list-style-type: none"> • A two-digit number and ones • A two-digit number and tens • Two two-digit numbers • Adding three one digit numbers • Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems
Small steps	<ul style="list-style-type: none"> • Introduce parts and wholes • Part-whole model • Write number sentences • Fact families - addition facts • Number bonds within 10 • Systematic number bonds within 10 • Number bonds to 10 • Addition - add together • Addition - add more • Addition problems 	<ul style="list-style-type: none"> • Bonds to 10 • Fact families - addition & subtraction bonds within 20 • Related facts • Bonds to 100 (tens) • Add & subtract 1s • Add by making 10 • Add three 1-digit numbers • Add to the next 10 • Add across 10 • Subtract across 10 • Subtract from a 10 • Subtract a 1 digit number from a 2 digit number (across a 10)
Vocabulary	Part, whole, number sentence, symbols + =, addition, number bond, add, more, groups of, plus, increase, total, sum, altogether	Number bond, +, add, more, groups of, plus, increase, total, use, altogether, -, minus, subtract, less, decrease, take away, fewer, leave, difference, inverse,

Autumn 2	Year 1	Year 2
Addition and Subtraction	<ul style="list-style-type: none"> • Read, write and interpret mathematical statements involving addition (+), 	<ul style="list-style-type: none"> • Solve problems with addition and subtraction:

	<p>subtraction (-) and equals (=) signs</p> <ul style="list-style-type: none"> • Represent and use number bonds and realtor subtraction facts with 20 • Add and subtract one-digit and two-digit numbers to 20, including 0 • Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$ 	<ul style="list-style-type: none"> • Using concrete objects and pictorial representations, including those involving numbers, quantities and measures • Applying their increasing knowledge of mental and written methods • Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100 • Add and subtract numbers using concrete objects, pictorial representations and mentally including <ul style="list-style-type: none"> • A two-digit number and ones • A two-digit number and tens • Two two-digit numbers • Adding three one digit numbers • Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems
Small steps	<ul style="list-style-type: none"> • Find a part • Subtraction - find a part • Fact families - the eight facts • Subtraction - take away/cross out (How many left?) • Subtraction on a numberline • Add or subtract 1 or 2 	<ul style="list-style-type: none"> • 10 more 10 less • Add and subtract 10s • Add two 2-digit numbers (not across 10) • Add two 2-digit numbers (across 10) • Subtract two 2-digit numbers (not across a 10) • Subtract two 2-digit numbers (across a 10) • Mixed addition & subtraction • Compare number sentences • Missing number problems
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"> • count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • given a number, identify one more and one less • 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 	

	<ul style="list-style-type: none"> • read and write numbers from 1 to 20 in numerals and words. 	
Small steps	<ul style="list-style-type: none"> • Count from 20 to 50 • 20, 30, 40, and 50 • Count by making groups of tens • Partition into tens and ones • The numberline to 50 • Estimate on a numberline to 50 • 1 more 1 less 	
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"> • Recognise and name common 2D and 3D shapes 	<ul style="list-style-type: none"> • Identify and describe the properties of 2D shapes including the number of sides and symmetry in a vertical line • Identify and describe the properties of 3D shapes including the number of edges, vertices and faces • Identify 2D shapes on the surface of 3D shapes • Compare and sort common 2D and 3D shapes and everyday objects
Small steps	<ul style="list-style-type: none"> • Recognise and name 3-d shapes • Sort 3d shapes • Recognise and name 2-d shapes • Sort 2-d shapes • Patterns with 2-d and 3-d shapes 	<ul style="list-style-type: none"> • Recognise 2D and 3d shapes • Count sides on 2D shapes • Count vertices on 2D shapes • Draw 2D shapes • Lines of symmetry on shapes • Use lines of symmetry to complete shapes • Sort 2D shapes • Count faces on 3d shapes • Count edges on 3d shapes • Count vertices on 3d shapes • Sort 3d shapes • Make patterns with 2D and 3d shapes
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