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

Spring 2	Mathematics – Children in Reception	
	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 and some to 10.	
	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.	
	Early Learning Goals	
	Number	
	Have a deep understanding of number to 10, including the composition of each number.	
	Subitise (recognise quantities without counting) up to 5.	
	Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	
	Numerical Patterns	
	Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	
	Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.	
Small Steps	Growing 6, 7, 8	Number, number names, numerals, more/less/than, number line, sides, how many, altogether, count, counting, number sentence, add, plus, equals, make, total, different, same, share, record, score, tens frame, sort, arrangement, Match, matching, exact, same, different, pair, pattern, sort, many, equal, notice, mix up, random, odd, left, feel, describe, equal, item, half, halves, Amount, split, part, whole model, another,
	- To make pairs – odd & even	
	- To find doubles to 8	
	- To make doubles to 8	
	- To combine 2 groups	
	- To explore conceptual subitising	
	Length, Height & Time	Number, long, longer, longest, short, shorter, shortest, small, big, length, measure, how many, bigger, biggest, smaller, smallest, size, order, 8 o'clock, Midday, 3 o'clock, 7 o'clock, Time, hands, timer, clock biggest, smallest, shortest, longest, score, minutes, hours, o'clock, Time,
	- To explore and compare length & height	
	- To talk about time	
	- To order and sequence time	first, fastest, slowest, order, clock, o'clock, hands, hours
	Building 9 & 10	Weight, heavier, balance scale, number, 10 frame, many, number names, numeral, heavier, more, less, how many, altogether, total, missing, number sentence, add, plus, equals, same, different, compare, balance, scales, tall, take away, pair, number bond, count, Shape, number names, circles, square, together, join, triangle, semi-circle, same, different, fold, angle, turn, picture, make, sort, label, match, 3D solid, flat, face, round, straight, cube
	- Find 9 & 10	
	- Compare numbers to 10	
	- Represent 9 & 10	
	- Conceptual subitising to 10	

	- 1 more to 10 - 1 less to 10 - Composition to 10 - Bonds to 10 (2 parts) - Make arrangements of 10 - Bonds to 10 (3 parts) - Doubles to 10 - Explore odd & even Explore 3D shapes - Recognise and name 3d shapes - Find 2D shapes within 3d shapes - Use 3d shapes for tasks - 3d shapes in the environment - Identify more complex patterns - Copy and continue patterns - Patterns in the environment	cuboid, cylinder, prism, cone, pattern, colour, similarities, differences, repeats, repeating, next, mistake, sculpture,

Key Stage 1

Spring 2	Year 1	Year 2
Yr 1: Place Value within 50 Yr 2: Multiplication & Division	Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number. 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. Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s. Read and write numbers from 1 to 20 in numerals and words. Given a number, identify 1 more and 1 less.	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
Small Steps:	• Count by making groups of 10 • Groups of tens and ones • Partition into tens and ones • Numberline to 50 • 1 more/less to 50	• The 5 and 10 times tables • Count in twos, five and tens from 0 and use this to solve problems (WTS) • Recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems, demonstrating an understanding of commutative as necessary. (EXP) • Recall and use multiplication and division facts for 2, 5, and 10 and make deductions outside of known multiplication facts. (GDS) • Solve unfamiliar word problems that solve more than one step involving multiplication and/or division. (GDS)
Vocabulary:	Tens, ones, part, whole, partition, teen, numeral, digit, tens frame, one-digit, two-digit, order, compare, odd, even, double, place value, greater than, less	Share, group, equal, array, symbol, multiplication, multiply, multiple, product, repeated addition, lots of, groups of, divide, division,

	than, equal to, same as	
Length & Height	Compare, describe and solve practical problems for: lengths and height; mass/weight; capacity and volume; time. Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; time	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and =. Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
Small steps	• Compare length and heights • Measure lengths using objects • Measure lengths in cm	• Measure in cm • Measure in m • Compare lengths and heights • Order lengths and heights • Four operations with lengths and heights
Vocabulary	Far, near, close, Metre, ruler, metre stick, Length, width, height, depth, Long, longer, longest, short, shorter, shortest, tall, taller, tallest, high, higher, highest, centimetres,	
Mass & Volume (yr 2 – Temperature)	Compare, describe and solve practical problems for: lengths and heights; mass/weight; capacity and volume; time Measure and begin to record the following: lengths and heights; mass/weights; capacity and volume; time	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and =.
Small steps	• Heavier & Lighter • Measure Mass • Compare Mass • Full & Empty • Compare Volume • Measure capacity • Compare capacity	• Compare mass. • Measure in grams. • Measure in kilograms. • Four operations with mass. • Compare volume & capacity. • Measure in ml • Measure in l • Four operations with volume & capacity. • Temperature
Vocabulary	Low, wide, narrow, deep, shallow, thick, thin,	m/km, g/kg, ml/l Temperature (degrees)

Yr 1 Addition & Subtraction to 20 (recap/reinforcement) Yr 2 Statistics	Read, write and interpret mathematical statements involving · addition (+), subtraction (–) and equals (=) signs. Add and subtract 1-digit and 2-digit numbers to 20, including zero. Represent and use number bonds and related subtraction facts within 20. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.
Small Steps	· Add by counting onto 20 · Add ones using number bonds · Find and make number bonds to 20 · Doubles · Near doubles · Subtract ones using number bonds · Subtract by counting back · Subtract by finding the difference · Related facts · Missing number problems	• Make tally charts • Tables • Block diagrams • Draw pictograms (1:1) • Interpret pictograms (1:1) • Draw pictograms (2, 5, 10) • Interpret pictograms (2, 5, 10)
Vocabulary	Tens, ones, part, whole, partition, teen, numeral, digit, tens frame, one-digit, two-digit, order, compare, odd, even, double, place value, greater than, less than, equal to, same as, addition, add, addend, plus, sum, total, calculation, commutative, inverse, number bond, number fact, subtraction, subtract, minus, less, take away, difference, number line,	Tally, chart, table, column, row, block, diagram, pictogram, draw, interpret, question, result, more, less, difference, horizontal, vertical, altogether, Count, sort, Vote, Represent, Group, set, list, Label, title, Most popular, most common, least popular, least common.