

Summer 2018 Splish, Splash, Splosh
Gemma Davis Slytherin Maths Medium Term Plan

Teaching focus	Learning intentions	
	<i>Rec</i>	Yr1
Number and Place value	<ul style="list-style-type: none"> Count reliably to 20. Read and write numbers to 20. Recognise missing numbers up to 20. Recognise numbers up to 20. Read and write numbers from 10-20. 	<ul style="list-style-type: none"> Read 2-digit numbers and find on a 1-100 number grid. Recognise that in each row on a 1-100 grid the numbers have the same amount of tens. Count to 100. Understand how many ones are in 2-digit numbers and show on hands. Count to 100. Work out missing numbers on a 1-100 grid. Begin to read and write numbers to 100.
Multiplication and division	<ul style="list-style-type: none"> Find doubles to double 6. Begin to work out practical division problems as grouping. 	<ul style="list-style-type: none"> Double a number up to 20 by doubling the tens and then doubling the ones. Understand what halving a number means. Halving even numbers up to 20. Understand multiplication as 'sets of' in a practical context. Begin to record 'sets of' as a multiplication number sentence.1 Use these facts to work out near doubles. Work out multiplication as sets of 5 and 10 using towers of cubes. Work out practical multiplication problems involving money.
Money Addition and subtraction	<ul style="list-style-type: none"> Use developing mathematical ideas and methods to solve practical problems involving counting and comparing in a real life or role play context. Begin to understand and use the vocabulary. Sort coins, including the £1 and £2 coins and use them in role play to pay and give change. Recognise coin values up to 50p. Begin to understand the value of each coin. Begin to work out small totals of different coins. Understand how many pennies each coin is worth. Begin to understand that coins can be exchanged for other numbers of coins, e.g. 5p could be given as 5 pennies or two 2p coins and one 1p coin. 	<ul style="list-style-type: none"> To recognise the relationship between coins up to £2. To recognise coins and notes of different value. Find totals of money amounts using number facts. Find the best order for adding money amounts. Find change from 30p by finding the difference.

<p style="text-align: center;">Addition and subtraction</p>	<ul style="list-style-type: none"> • Add and subtract from a number up to 20 by counting on or back using a number track. • Use repeated addition or subtractions to find an answer to a problem • Begin to recognise how to write repeated addition/subtraction as a number sentence. • Add and subtract from a number up to 20 by counting on or back using a number track. 	<ul style="list-style-type: none"> • Use pairs to ten to bridge ten with the support of beaded lines. • To add multiples of ten. Adding 1-digit numbers to 2-digit numbers using facts and patterns. • Subtracting 1-digit numbers from 2-digit numbers using facts and patterns. • Use the correct operation to work out number sentences. Work out addition and subtraction number sentences using facts and patterns to help.
<p style="text-align: center;">Capacity and Volume</p>	<ul style="list-style-type: none"> • Use language such as more or less to compare two quantities, then more than two, by making direct comparisons and by filling and emptying containers. 	<ul style="list-style-type: none"> • To compare the capacities of two containers directly, by pouring. • To recognise and use the vocabulary associated with capacity. • To measure capacities using non-standard units, then standard units. • To compare the capacities of several containers.
<p style="text-align: center;">Addition, Counting in 2's.</p>	<ul style="list-style-type: none"> • Begin to relate addition of doubles to counting on. • Find a total by counting on when one group is hidden. • To count on or back in twos. • Begin to recall the number bonds to 10. • Find different ways of partitioning 10. • Find different ways of partitioning 10. • Begin to write these as addition number sentences. • Know bonds to 5. • Begin to recall number bonds to 6. • Write addition number sentences. • Begin to recall number bonds to 7. • Work out how many are 'hidden' from a set of 7. • Record these as addition number sentences. • Recall number bonds to 5, 6 and 7. • Begin to recognise which number bonds they can use to work out different additions. 	<ul style="list-style-type: none"> • Use + and = signs to record mental calculations in a number sentence. • Recognise and use a square or a triangle for missing numbers. • Use number facts to add pair of numbers in the range 0-10. • To add 2 or more numbers. • To use number facts to add a pair of numbers within the range 0-20. • Add 9 to a single digit number by adding 10 and subtracting 1. • Bridge through 20 when adding a single digit number. • To count on or back in twos. • Use pairs to ten to find the complement to the next multiple of ten, using a bead string for support. • Use pairs to ten to find the complement to the next multiple of ten, using a beaded number line for support. • Add 1-digit numbers to 2-digit numbers using patterns, e.g. 2 + 4 and 12 + 4. • Adding 1-digit numbers to 2-digit numbers using number facts and patterns. • Adding 1-digit numbers to 2-digit numbers using number facts such as pairs to 10 and doubles. 2. Find numbers that are easier to add together and explain why.
<p style="text-align: center;">Subtraction</p>	<ul style="list-style-type: none"> • Begin to find how many have been removed from a group of objects by counting up from a number. • Remove a smaller number from a larger and find how many are left by counting back from the larger number. 	<ul style="list-style-type: none"> • Use - and = signs to record mental calculations in a number sentence. • Recognise and use a square or a triangle for missing numbers. • Use number facts to subtract pair of numbers in the range 0-10.

<p style="text-align: center;">Time</p>	<ul style="list-style-type: none"> • Begin to understand and use the vocabulary of time. • Begin to read o'clock time. • Use the correct language to describe time. • Begin to understand what a minute is and what can be done in that time. • Understand that a minute is 60 seconds. • Begin to time events using a minute sand timer. 	<ul style="list-style-type: none"> • To recognise that there are twenty-four hours in a day. • To introduce the terms midnight and midday. • To recognise that there are four seasons in a year. • To order the seasons of the year. • To begin to recognise the months of the year. • Read time to half an hour on a digital clock. • Solve simple problems involving time. • Use the language of time to describe events. • Order events into chronological order. • Read o'clock and half-past times on analogue and digital clocks. • Convert digital times to analogue times. • Order times from earliest to latest.
<p style="text-align: center;">Dates and Data</p>	<ul style="list-style-type: none"> • Revise the days of the week. • Say what day comes before/after a given day. • Begin to know the months of the year. • Know the days of the week and answer questions about them. • Understand what the day will be after '1 or 2 sleeps'. Begin to use correct language to describe time. • Understand what the day will be after '1 or 2 sleeps'. • Begin to learn the months of the year. • Know important times of the year relating to months e.g. special festivals, their birthday, etc. • Know the different seasons of the year and begin to identify the months that form these. 	<ul style="list-style-type: none"> • Know the days of the week and months of the year in order. Say the month that comes before or after a given month. • Show data in block graphs. • Answer questions about their block graphs. • Present data in pictograms. • Compare data from two pictograms.
<p style="text-align: center;">Position and Direction</p>	<ul style="list-style-type: none"> • Understand instructions involving direction. • Remember which side is left and which is right. • Give instructions to other children. • Use positional language. 	<ul style="list-style-type: none"> • Recognise 3D shapes and describe some of their properties. • Describe how a 3D object has been turned. • Understand $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ turns • Describe position.
<p style="text-align: center;">Properties of Shape</p>	<ul style="list-style-type: none"> • Use language such as circle or bigger to describe the shapes and size of flat and solid shapes • Begin to name solids such as cone, cube, and sphere. • Use a variety of shapes to make models, and describe them. • Recognise different 2D & 3-D shapes. • Describe some of the properties of 2D & 3D shapes. • Sort 2D & 3-D shapes into two hoops according to their properties. • Recognise different 2D & 3-D shapes. • Recognise a pyramid and how they can have different faces on the bottom. 	<ul style="list-style-type: none"> • To sort 3d shapes according to type of face: flat or curved. • To sort 3d shapes according to the shape of the faces. • Recognise 2D & 3D shapes and describe some of their properties. • Describe how a 3D object has been turned. • Recognise 2D & 3D shapes and describe some of their properties. • Describe the position of a 3D shape using directional language.

<p>Fractions</p>	<ul style="list-style-type: none"> • Find half of a shape or object • Separate a group of objects into half. 	<ul style="list-style-type: none"> • Find a half of a shape or object • Find a quarter of a shape or object • Find a half of an amount • Find a quarter of an amount
<p>Lengths and Heights</p>	<ul style="list-style-type: none"> • Use non-standard units to measure an object. Compare the length/height of objects. • Describe the length/height of objects. 	<ul style="list-style-type: none"> • Compare lengths and heights. • Describe lengths and heights. • Measure lengths and heights. • Record lengths and heights
<p>Mass/Weight</p>	<ul style="list-style-type: none"> • Weigh and compare objects. • Describe the weight of objects 	<ul style="list-style-type: none"> • Compare mass/weight • Describe mass/weight • Weigh objects • Record mass/weight.
<p>Mental Maths</p>	<ul style="list-style-type: none"> • 3+3 4+4 5+5 2+1 2+3 2+2 1+1 • Count to 20. • Reading numbers 11-20. • Counting on/back 2,3,4,5. • Count in 10's. • Double one digit numbers. • Half of 3,5,7,9. • Add and subtract number of objects to 10. • Add and subtract the right amount and count. • Set out and find the total of toys. • Count how many are given • Share even numbers between two. • Halve an even number • Number bonds to 10. 	<ul style="list-style-type: none"> • 1+9 4+6 3+7 5+5 2+8 8+8 4+2 5+2 6+2 9+9 9+2 7+7 7+2 4+3 5+3 6+3 6+6 • Counting in 2's • Count past 100. • Reading 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000. • Partitioning a 2 digit number. • Double 2 digit multiples of 10. • Half of 3, 7, 5, 9. • Number bonds to 10. • 1 digit + 1 digit facts. • Solve addition on a number line. • Add one to a number up to 20. • Add 2 or 3 to a number up to 20. • Add a 1 digit number to a number to 20. • Draw out groups of dots. • Find the total amount of dots. • Share 8, 12, 16, 20 objects between 2 and 4. • Share equally. • Make groups of 2, 5, and 10. • Find out how many by counting.