Year 2 Maths Curriculum Map

Autumn 1

Week 1-2: Numbers to 100

- Can read and write numbers to at least 100 in numerals and in words.

- Can recognise the place value of each digit in a 2-digit number (tens, ones).

- Can identify, represent and estimate numbers using different representations, including the number line.

- Can partition 2-digit numbers into different combinations of tens and ones (e.g. 23 is the same as 2 tens and 3 ones which is the same as 1 ten and 13 ones)

- Can compare and order numbers from 0 up to 100.

- Can use <, > and = signs.

- Can count in steps of 2, 3 or 5 from 0, forward or backward.

- Can count in steps of ten from any number, forward or backward.

- Can use counting in steps to help them solve problems.

- Can use place value and number facts to solve problems.

Week 3-6: Addition and Subtraction within 20

- Can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.

- Can solve problems with addition and subtraction, applying their increasing knowledge of mental and written methods.

- Can recall and use addition and subtraction facts to 20 fluently.

- Can derive and use related facts up to 100 (e.g. if I know 5 – 3 = 2, then I also know that 50 – 30 = 20.)

- Can add and subtract a 2-digit number and ones or tens, using concrete objects, pictorial representations, such as a number line, or mentally.

- Can add three 1-digit numbers.

- Can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

- Can recognise and use the inverse relationship between addition and subtraction and use this to check calculations.

- Can solve missing number problems.

Autumn 2

Week 1-4: Addition and Subtraction within 100

- Can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.

- Can solve problems with addition and subtraction, applying their increasing knowledge of mental and written methods.

- Can recall and use addition and subtraction facts to 20 fluently.

- Can derive and use related facts up to 100 (e.g. if I know 5 – 3 = 2, then I also know that 50 – 30 = 20.)

- Can add and subtract a 2-digit number and ones or tens, using concrete objects, pictorial representations, such as a number line, or mentally.

- Can add two 2-digit numbers, using concrete objects, pictorial representations such as a number line, or mentally.

- Can subtract two 2-digit numbers, where no regrouping is required (e.g. 74 – 33), using concrete objects, pictorial representations such as a number line, or mentally.

- Can subtract two 2-digit numbers, where regrouping is required (e.g. 52 – 27; 91 – 73), using concrete objects, pictorial representations such as a number line, or mentally.

- Can add three 1-digit numbers.

- Can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

- Can recognise and use the inverse relationship between addition and subtraction and use this to check calculations.

- Can use estimation to check that the answer to a calculation is reasonable (e.g. knowing that 48 + 35 will be less than 100).

- Can solve missing number problems.

Week 4-6: Measures

- Can choose and use appropriate standard units to estimate and measure to the nearest appropriate unit length/height in any direction (m/cm), using rulers; mass (kg/g), using scales; temperature (°C), using thermometers; measure capacity (litres/ml), using measuring vessels. The scales are read in divisions of ones, twos, fives and tens, where all numbers on the scale are given.

- Can compare and order lengths, mass, volume/capacity and record the results using >, < and =

Spring 1

Week 1-4: Multiplication and Division

- Can recall and use multiplication and division facts for the 2, 5 and 10 times table and recognise the odd and even numbers within it.

- Can recall doubles and halves to 20.

- Can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×),division (÷) and equals (=) signs.

- Can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

- Can solve problems involving multiplication, using materials, arrays and repeated addition, or mental methods, and/or multiplication and division facts.

- Can solve problems involving division, using materials, arrays and repeated subtraction, or mental methods, and/or multiplication and division facts.

Week 5: Money

- Can recognise and know the value of different denominations of coins and notes.

- Can recognise and use symbols for pounds (£) and pence (p).

- Can recall and use multiplication and division facts for the 2, 5 and 10 times table and recognise the odd and even numbers within it.

Spring 2

Week 1-2: Money

- Can recognise and use symbols for pounds (£) and pence (p).

- Can find different combinations of coins that equal the same amounts of money.

- Can solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.

Week 3-6: Fractions

- Can recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length or a shape, or of a set of objects or a quantity.

- Can write simple fractions e.g. 1/2 of 6 = 3.

- Can recognise the equivalence of 2/4 and 1/2.

- Can use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn, and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise), and movement in a straight line.

Summer 1

Week 1-2: Shape

- Can identify and describe the properties of 2-D shapes, including the number of sides, and symmetry in a vertical line.

- Can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.

- Can identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid.

- Can compare and sort common 2-D and 3-D shapes and everyday objects.

- Can order and arrange combinations of mathematical objects in patterns.

Week 3: Statistics

- Can interpret and construct tally charts, simple pictograms, block diagrams and other simple tables.

- Can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.

- Can ask and answer questions about totalling and comparing categorical data.

Week 4-6: Revision for SATs

- See weekly overview for details of what is being covered during this period.

Summer 2

Week 1-3: Time

- Can compare and sequence intervals of time.

- Can tell and write the time to the nearest 15 minutes (using quarter past/to the hour) and draw the hands on a clock face to show these times.

- Can tell and write the time to five minutes and draw the hands on a clock face to show these times.

- Can use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn, and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise), and movement in a straight line.

Week 4-6: Addition and Subtraction within 20

- Can recall and use addition and subtraction facts to 20 fluently.