Mathematics Curriculum Progression for Year 2

| Term | Topic | Knowledge and Skills | Methods and Visual Representations | Vocabulary |
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| 1 \& 2 | Place Value | Count in steps of 2,3, and 5 from 0, and in tens from any number, forward and backward <br> Recognise the place value of each digit in a twodigit number (tens, ones) <br> Identify, represent and estimate numbers using different representations, including the number line <br> Compare and order numbers from 0 up to 100; use <, > and = signs <br> Read and write numbers to at least 100 in numerals <br> Read and write numbers to at least 100 in words <br> Use place value and number facts to solve problems <br> Partition two-digit numbers into different combinations of tens and ones using apparatus if needed e.g. 23 is the same as 2 tens and 3 ones which is the same as 1 ten and 13 ones <br> Use reasoning about numbers and relationships to solve more complex problems and explain his/her thinking e.g. $29+17=15+4+?$; 'Together Jack and Sam have £14. Jack has £2 more than Sam. How much money does Sam have?' etc. | $-00000000000000000-$  | hundred, thousand, threes, fours, eights, tally, sequence, continue, predict, rule, greater than, less than hundreds, one digit number, two digit number, three digit number, place, place value, stands for, represents, exchange <br> exact, exactly |




|  |  | Add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two-digit numbers <br> Add and subtract numbers using concrete objects, pictorial representations, and mentally, including adding three one-digit numbers <br> Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot <br> Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems <br> Recall doubles and halves to 20 e.g. knowing that double 2 is 4 , double 5 is 10 and half of 18 is 9 <br> Use estimation to check that his/her answers to a calculation are reasonable e.g. knowing that $48+35$ will be less than 100 <br> Solve missing number problems using addition and subtraction |  |  |  |
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1 \& 2 Measure: | Recognise and use symbols for pounds ( E ) and |
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| pence (p); combine amounts to make a particular |
| value |
| Money |
| the same amounts of money |
| Solve simple problems in a practical context |
| involving addition and subtraction of money of |
| the same unit, including giving change |




|  | identical socks will give 7 pairs and one sock <br> will be left <br> Use multiplication and division facts for 2,5 <br> and 10 to make deductions outside known <br> multiplication facts e.g. know that multiples of <br> 5 have one digit of 0 or 5 and use this to <br> reason that 18 $\times 5$ cannot be 92 as it is not a <br> multiple of 5 <br> Solve word problems involving division with <br> more than one step e.g. which has the most <br> biscuits, 4 packets of biscuits with 5 in each <br> packet or 3 packets of biscuits with 10 in each <br> packet |  |  |
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| 5 \& 6 | Measure: <br> Time | Tell and write the time to five minutes, <br> including quarter past/to the hour and draw sequence intervals of time <br> the hands on a clock face to show these <br> times <br> Remember the number of minutes in an <br> hour and the number of hours in a day <br> Read the time on a clock to the nearest <br> minutes |
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| 5 \& 6 | Measure: <br> Mass, <br> Capacity and <br> Temperature | Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature ( ${ }^{\circ} \mathrm{C}$ ); capacity (litres $/ \mathrm{ml}$ ) to the nearest appropriate unit, using scales, thermometers and measuring vessels <br> Compare and order mass, volume/capacity and record the results using >, < and = <br> Read scales in divisions of ones, twos, fives and tens <br> Read scales where not all numbers on the scale are given and estimate points in between | Using the words 'more' and 'less' and the >or < symbols, | measuring scale <br> gram <br> millilitre, contains <br> temperature, degree |



