**Year 3 Maths Plan: Autumn Term: Group 2 2019**

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|  | **Ongoing** | **Focussed Teaching (Consolidation)** | **Extension (Whole class teaching and guided work)** |
| **Week 1**  **3 Days** | Count forwards and backwards in 2’s, 3’s, 5’s and 10’s, Recall facts in the 2, 5 and 10x tables, Compare and order 2-digit and 3-digit numbers, Know by heart + and – facts to 20, Use bonds for 10 to work out bonds to 100, Mentally add 3 1-digit numbers, double and halve numbers to 10 | **Place Value**  Read and write numbers up to 100  Know the value of each digit in a 2-digit number  Compare and order numbers to 100  Use the < and > signs  Solve problems involving place value | Read and write numbers to 1000  Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)  Compare and order numbers up to 1000 |
| **Week 2** | **Addition**  Add a 2-digit number and a 1-digit number  Add a 2-digit number and a multiple of 10  Add 2 2-digit numbers  Word problems  (number lines, hundred square and practical apparatus) | Add 2 2-digit numbers on an empty number line (no bridging)  Add 2 2-digit numbers on an empty number line with bridging  Extend to include adding to a 3-digit number without bridging |
| **Week 3** | **Subtraction**  Subtract a 1-digit number from a 2-digit number  Subtract a multiple of 10 from a 2-digit number  Subtract 2 2-digit numbers  Word problems  (number lines, hundred square and practical apparatus) | Subtract 2 2-digit numbers on an empty number line (no bridging)  Subtract 2 2-digit numbers on an empty number line with bridging  Extend to include subtracting from a 3-digit number without bridging |
| **Week 4** | **Multiplication**  Investigate / consolidate multiplication as repeated addition  Revision of 2, 5 and 10x tables (recall)  Solve missing number calculations involving 2, 5 and 10x tables  Solve problems involving multiplication | Introduction to 3x table and related facts |
| **Week 5** | **Assess** | **Division**  Investigate division as sharing equally between groups (2, 5 and 10)  Consolidate division as repeated subtraction  Use x facts to help with division facts (inverse)  Solve problems involving division | Divide quantities by 3  Find remainders after division |
| **Week 6** | **Assess** | **Geometry**  Identify and describe the properties of 2-D shapes including the number of sides  Investigate vertical line symmetry in 2D shapes  We belong together (investigation) | Identify regular and irregular 2D shapes  Identify horizontal, vertical, parallel and perpendicular lines  Identify right angles in 2D shapes |
|  |  | **Half Term** |  |
| **Week 1** | Count forwards and backwards in 2’s, 3’s, 5’s and 10’s, Recall facts in the 2, 5 and 10x tables, Compare and order 2-digit and 3-digit numbers, Know by heart + and – facts to 20, Use bonds for 10 to work out bonds to 100, Mentally add 3 1-digit numbers, double and halve numbers to 10 | **Place Value**  Read and write 3 digit numbers in numerals and words  Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)  Compare and order numbers up to 1000  Solve problems involving place value | Find 1, 10 and 100 more or less than a number |
| **Week 2** | **Fractions**  Identify ¼ of a shape  Identify 1/3 of a shape  Identify ¼ of a number  Identify 1/3 of a number  Find fractions equivalent to 1/2 | Find other unit fractions of shapes (fifths, eighths, tenths)  Find non-unit fractions of shapes |
| **Week 3** | **Addition**  Addition of 2 2-digit numbers, including bridging on an empty number line  Addition of a 2-digit number to a 3-digit number on an empty number line, including bridging  Addition word problems  Addition of 2 3-digit numbers | Partition and recombine to add  Expanded method of addition |
| **Week 4** | See above | **Subtraction**  Subtraction of 2 2-digit numbers including bridging on an empty number line  Subtraction of a 2-digit number from a 3-digit number on an empty number line, including bridging  Subtraction word problems | Extend understanding to include subtraction of 2 3-digit numbers  Intro to simple formal subtraction (no exchange) |
| **Week 5** | See above | **Multiplication**  Revision of 2, 5 and 10 x tables and related facts  Intro to 3x and 4x table | Problem solving involving 2, 3, 4, 5 and 10 x tables  Use inverse to check answers |
| **Week 6** | **Assess** | **Statistics**  Constructing pictograms and bar charts from given information.  Find out information by conducting a survey and presenting results  **Measuring**  Measuring to the nearest centimetre / half centimetre | Experiment with different scales  Living graphs  Problem solving activities involving measuring (addition, subtraction, ordering and comparing) |
| **Week 7** | **Assess** | **Time**  Revision of O’Clock and half past times  Know the number of minutes in an hour and number of hours in a day  Quarter to / past times  Compare and sequence intervals of time | Tell the time to the nearest 5 minutes  Know the number of seconds in a minute and the number of days in each month, a year and a leap year  Compare and sequence intervals of time |
| **Challenge and depth** | | **See additional resources** |  |

*\*\* Planning may change to suit the needs and abilities of the children at the time*