**Maths Medium Term Planning**

**Year Two**

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| **WR Block: Number: Multiplication and Division** | | **Spring Term** | |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. * 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. * Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. | * Recognise equal groups * Make equal groups * Add equal groups * Introduce the multiplication symbol * Multiplication sentences * Using arrays * Make equal groups-grouping * Make equal groups- sharing * The 2 times-table * Divide by 2 * Doubling and halving * Odd and even numbers * The 10 times-table * Divide by 10 * The 5 times-table * Divide by 5 * The 5 and 10 times-tables | **Y1**   * Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. | **Y3**   * Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. * Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. * Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. |
| **Key Vocabulary**  **New Vocabulary:**  groups of, times  once, twice, three times ... ten times, repeated addition  divide, divided by, divided into  share, share equally, left, left over, one each, two each, three each ... ten each  group in pairs, threes ... tens  equal groups of, row, column  multiplication table  multiplication fact, division fact | **Key Vocabulary:**  **Previous Year Group:**  multiplication  multiply, multiplied by, multiple  division, dividing  grouping, array | **Stem Sentences**  There are \_\_\_ equal groups. There are \_\_\_\_ in each group. There are \_\_\_\_ altogether.  There are \_\_\_\_ groups of \_\_\_\_. There are \_\_\_\_ altogether.  The groups are equal/ unequal because....  \_\_\_ lots of \_\_\_\_ = \_\_\_\_  \_\_\_\_ multiplied by \_\_\_\_ is equal to \_\_\_\_.  There are \_\_\_\_ rows and \_\_\_ columns.  In this array, I can see \_\_\_\_ x \_\_\_\_ and \_\_\_\_ x \_\_\_\_\_.  There are \_\_\_\_ altogether. I have put them into equal groups of \_\_\_\_. There are \_\_\_\_ groups.  \_\_\_\_ x 2 is the same as \_\_\_\_ lots of 2.  Double \_\_\_ is \_\_\_\_. Half of \_\_\_\_ is \_\_\_\_.  Even number have \_\_\_\_ in the ones column.  Odd numbers have \_\_\_\_ in the ones column.  Even numbers can be divided by \_\_\_ to give a whole number answer.  All numbers in the \_\_\_\_ times-table are also in the \_\_\_ times-table. | |
| **Concrete, Pictorial, Abstract Models/ Calculations**  **Multiplication** | | | |
| **Division** | | | |