**Maths Medium Term Planning**

**Year Three**

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| **WR Block: Number: Multiplication and Division A** | | | | **Autumn Term** | | |
| **National Curriculum Objectives** | | **Small Steps** | | **Prior Learning** | **Future Progression** | |
| * 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. | | * Multiplication – equal groups * Use arrays * Multiples of 2 * Multiples of 5 and 10 * Sharing and grouping * Multiply by 3 * Divide by 3 * The 3 times-table * Multiply by 4 * Divide by 4 * The 4 times-table * Multiply by 8 * Divide by 8 * The 8 times-table * The 2, 4 and 8 times-tables | | **Y2**   * 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. | **Y4**   * Recall multiplication and division facts for multiplication tables up to 12x12. * Multiply two-digit and three-digit numbers by a one-digit number using formal written layouts. * Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. | |
| **Key Vocabulary**  **New Vocabulary:**  Factor, product, remainder | **Key Vocabulary:**  **Previous Year Group:**  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 | | **Stem Sentences**  There are … equal groups with …. In each group. There are … altogether.  There are … lots of ….  … x …. = …. x ….  The next multiple of 2/ 5/ 10 is …  The previous multiple of 2/ 5/ 10 is …  I know … is even because …  … has been shared equally into … equal groups.  There are … groups and …. In each group.  … has been shared into … equal groups. | | |
| **Concrete, Pictorial, Abstract Models/ Calculations**  **Multiplication** | | | | | |
| **Division** | | | | | |