**Maths Medium Term Planning**

**Year Four**

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| **WR Block: Number: Multiplication and Division A** | | | | **Autumn Term** | |
| **National Curriculum Objectives** | | **Small Steps** | | **Prior Learning** | **Future Progression** |
| * 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. | | * Multiples of 3 * Multiply and divide by 6 * 6 Times-table and division facts * Multiply and divide by 9 * 9 times-table and division facts * The 3,6 and 9 times-tables * Multiply and divide by 7 * 7 times-table and division facts * 11 times-table and division facts * 12 times-table and division facts * Multiply by 1 and 0 * Divide by 1 and itself * Multiply three numbers | | **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. | **Y5**   * Multiply numbers up to 4 digits by a one-digit number using a formal written method, including long multiplication for two-digit numbers. * Multiply and divide numbers mentally drawing upon known facts. * Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context. * Solve problems involving addition, subtraction, multiplication and division and a combination of these including understanding the meaning of the equal sign. |
| **Key Vocabulary**  **New Vocabulary:**  inverse  square, squared  cube, cubed | **Key Vocabulary:**  **Previous Year Group:**  Factor  Product  Remainder | | **Stem Sentences**  The next multiple of 3 (or other number) is ...  The multiple of 3 before ... is ....  I know ... is a multiple of 3 because ...  6 lots of ... is ....  ... shared into 6 equal groups is ...  Multiplying by 6 is the same as multiplying by ... twice.  Any number multiplied by zero is equal to ...  Any number multiplied by one is equal to ... | | | |
| **Concrete, Pictorial, Abstract Models/ Calculations**  **Multiplication** | | | | | | |
| **Division** | | | | | | |