**Maths Medium Term Planning**

**Year Four**

|  |  |
| --- | --- |
| **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:**inversesquare, squaredcube, cubed | **Key Vocabulary:****Previous Year Group:**FactorProductRemainder | **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** |