**Maths Medium Term Planning**

**Year Five**

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| **WR Block: Measurement: Volume** | | **Summer Term** | |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water]. * Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. * Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. | * What is volume? * Compare volume * Estimate volume * Estimate capacity | **Y4**   * Convert between different units of measure [for example, kilometre to metre; hour to minute]. * Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. | **Y6**   * Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm3 and km3]. * Recognise when it is possible to use formulae for area and volume of shapes. |
| **Key Vocabulary**  **New Vocabulary:**  imperial unit  Pint  Gallon  yard, foot, feet, inch, inches  Tonne,pound,ounce  square metre (m2),  square millimetre (mm2) | **Key Vocabulary:**  **Previous Year Group:**  unit, standard unit, metric unit  Breadth, edge, area, covers  square centimetre (cm2)  mass: big, bigger, small, smaller  weight: heavy/light, heavier/lighter, heaviest/ lightest  measuring cylinder | **Stem Sentences**  The number of cubes needed to make the shape is \_\_\_.  The volume of the shape is \_\_\_\_ cubic centimetres.  There are \_\_\_ cubes in each layer and there are \_\_\_\_ layers. There are \_\_\_\_ cubes altogether.  The volume of shape A is \_\_\_ and the volume of shape B is \_\_\_\_.  Shape \_\_\_ has the greater volume  To work out the volume of the shape I can ...  I estimate that the volume of \_\_\_\_ is \_\_\_\_cm3.  The actual volume of \_\_\_ is greater/less than the estimate.  The capacity of the container is \_\_\_ millilitres/litres. The volume of water in the container is about\_\_\_ millilitres/litres.  Container A is about \_\_\_\_ times the size of container B. | |
| **Concrete, Pictorial, Abstract Models/ Calculations** | | | |