**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 tominute].
* 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.
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| **Key Vocabulary****New Vocabulary:**imperial unitPintGallonyard, foot, feet, inch, inchesTonne,pound,ouncesquare metre (m2),square millimetre (mm2) | **Key Vocabulary:****Previous Year Group:**unit, standard unit, metric unitBreadth, edge, area, coverssquare centimetre (cm2)mass: big, bigger, small, smallerweight: heavy/light, heavier/lighter, heaviest/ lightestmeasuring 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 volumeTo 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**  |