**Maths Medium Term Planning**

**Year Five**

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| **WR Block: Measurement: Converting Units** | **Summer Term** |
| **National Curriculum Objectives** | **Small Steps** | **Prior Learning** | **Future Progression** |
| * Convert between different units of metric measure (for example, kilometre and metre;centimetre and metre; centimetre and millimetre; gram and kilogram; litre andmillilitre).
* Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.
* Solve problems involving converting between units of time.
* Use all four operations to solve problems involving measure [for example, length,mass, volume, money] using decimal notation, including scaling.
 | * Kilometres
* Kilograms and kilometres
* Millimetres and millilitres
* Metric units
* Imperial units
* Converting units of time
* Timetables
 | **Y4*** Convert between different units of measure [for example, kilometre to metre; hour tominute].
* Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
* Find the area of rectilinear shapes by counting squares.
* Read, write and convert time between analogue and digital 12- and 24-hour clocks.
* Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
 | **Y6*** Solve problems involving the calculation and conversion of units of measure, usingdecimal notation up to three decimal places where appropriate.
* Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.
* Convert between miles and kilometres.
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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 unitmetric unitBreadthedge area, coverssquare centimetre (cm2) | **Stem Sentences**1 kilometre= \_\_\_ m, so \_\_\_ kilometres = \_\_\_ x 1,000 = \_\_\_\_ m.\_\_\_ g = 1 kilogram, so \_\_\_ grams = \_\_\_\_ divided by 1,000 = \_\_\_\_ kg.To convert from litres to millilitres, I \_\_\_\_ by 1,000.To convert from millimetres to metres, I \_\_\_\_ by 1,000.There are \_\_\_\_ mm in \_\_\_ cm. There are \_\_\_\_ mm in \_\_\_\_ m.There are \_\_\_\_ cm in \_\_\_\_ m.To convert between mm/ cm/ m and mm/ cm/ m, I \_\_\_ by \_\_\_\_.1 kg is approximately equal to \_\_\_lb, so \_\_\_\_kg is approximately equal to \_\_\_ × \_\_\_\_=\_\_\_\_ lb. 1 pint is approximately equal to \_\_\_ ml, so \_\_\_ pints is approximately equal to \_\_\_ × \_\_\_\_ = \_\_\_ ml. 1 inch is approximately equal to \_\_\_ cm, so \_\_\_ cm is approximately equal to \_\_\_ ÷ \_\_\_ = \_\_\_ inches.There are \_\_\_ seconds/minutes in a minute/hour, so in\_\_\_\_ minutes/hours there are \_\_\_ × \_\_\_ = \_\_\_ seconds/minutes. There are \_\_\_ hours in a day, so in \_\_\_ hours there are \_\_\_\_ ÷ \_\_\_\_ = \_\_\_ full days and hours. To convert into\_\_\_ , I \_\_\_\_ by \_\_\_\_. |
| **Concrete, Pictorial, Abstract Models/ Calculations**  |