# Maths Progression Document Measures Year 5 and 6

**Reception Vocabulary**

Measure, size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, just over, just under

***Length -*** Metre, length, height, width, depth, long, short, tall, high, low, wide, narrow, thick, thin , longer, shorter, taller, higher … and so on, longest, shortest, tallest, highest … and so on, far, near, close

***Weight -*** weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest, scales

***Capacity and Volume-*** Full, empty , half full, holds, container

***Time -*** Time, days of the week, Monday, Tuesday … day, week, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, next, last, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, hour, o'clock, clock, watch, hands

***Money -*** Money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay

**Year 1 Vocabulary -** Measurement, roughly
***Length -*** Centimetre, ruler, metre stick ***Weight*** Gram, kilogram, half kilogram ***Capacity and Volume*** litre, half litre, capacity, volume, more than, less than, quarter full
***Time*** **-** months of the year (January, February ...)***,*** seasons: spring, summer, autumn, winter, weekend, month, year***,*** earlier, late, first, midnight, date

how long ago? , how long will it be to..? , how long will it take to …? , how often? , always, never, often, sometimes,, usually, once, twice half past, clock face, hour hand, minute hand, hours, minutes

***Money -*** Change, dear, costs more, cheap, costs less, cheaper, costs the same as how much …?, how many …?, total

**Year 2 Vocabulary -** Measuring scale

***Length-*** Further, furthest, Tape measure ***Weight*** (consolidate gram, kilogram) ***Capacity and Volume*** Millilitre, Contains ***Temperature*** – temperature, degree

***Time-*** Fortnight, Quarter past, quarter to, 5, 10, 15….minutes , past/to, digital/analogue clock/watch, timer, second, ***Money*** Bought, sold ***,*** change

**Year 3 Vocabulary-** Approximately
**Length-** Millimetre, kilometre, mile, distance apart … between to … from, perimeter ***Capacity / Volume -*** Measuring cylinder **Temperature** Centigrade

**Time -** Century, calendar, earliest, latest, a.m, p.m, 12 hour clock time, 24 hour clock time. **(No new vocab for money)**

*Year 4 Vocabulary* - Unit, standard unit, metric unit
***Length-*** Breadth, edge, area, covers, square centimetre (cm2) ***Weight*** **mass:** big, bigger, small, smaller **weight:** heavy/light, heavier/lighter, heaviest/lightest
***Time -*** Leap year, millennium, noon, date of birth, timetable, arrive, depart **(no new vocab for money)**

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| Key Vocabulary | ***Year 5 Vocabulary***<br>Imperial unit, yard, foot, feet, inch, inches<br>***Length***<br>square metre (m2), square millimetre (mm2)<br>***Weight***<br>Tonne, pound, ounce<br>***Capacity and Volume***<br>pint, gallon<br>***Money***<br>Discount, currency | ***Year 6 Vocabulary***<br>***Length***<br>circumference<br>***Capacity and Volume***<br>Centilitre, cubic centimetres(cm3), cubic metres (m3), cubic millimetres (mm3), cubic kilometres (km3)<br>***Time***<br>Greenwich Mean Time, British Summer Time, International Date Line<br>***Money***<br>Profit, loss |
| Year group | ***Year 5*** | ***Year 6*** |
| Key skills | • Solve problems involving converting between units of time.<br>• Convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml]<br>• Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints<br>• Measure and calculate the perimeter of composite rectilinear shapes in cm and m.<br>• Calculate and compare the area of rectangles (including squares) using standard units, cm2, m2 and estimate the area of irregular shapes.<br>• Estimate volume and capacity (e.g. using 1cm3 blocks to build cuboids or water)<br>• Use all four operations to solve problems involving measure. | • Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.<br>• 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 3 dp.<br>• Convert between miles and kilometres.<br>• Recognise that shapes with the same areas can have different perimeters and vice versa.<br>• Recognise when it is possible to use formulae for area and volume of shapes.<br>• Calculate the area of parallelograms and triangles.<br>• Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm3, m3 and extending to other units (mm3, km3) |

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| *What it looks like in models and images.*<br>*Note – this is not exhaustive, guidance should be taken from our calculation policy as well as WR Maths small steps guidance.* | *Always use practical real life and hands on experiences where possible. Measures of length, mass and capacity should be done in real life ideally, only using worksheets to consolidate the practical learning.*<br><br>*When using worksheets ensure any images of money are to scale in terms of sizes of relative coins and scales on measures are clear.* |