## Year 6 Maths Long Term Plan



|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
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| Geometry, Measurement, Statistics | Factors, multiples primes | Measures Area \& Perimeter |  |  | Measures Volume | Geometry <br> Properties of 2D and 3D shapes |  |  | Geometry Angles |  |  | Statistics <br> Averages |
| Priority | - | - |  |  |  | - 6G-1 Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems. |  |  | - |  |  | - |
| National Curriculum | - identify common factors, common multiples and prime numbers | - 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 cubic centimetres (cm3) and cubic metres (m3), and extending to other units[for example, mm3 and km3]. |  |  |  | - draw 2-D shapes using given dimensions and angles <br> - recognise, describe and build simple 3-D shapes, including making nets <br> - compare and classify geometric shapes based on their properties and sizes and find |  |  | - unknown angles in any triangles, quadrilaterals, and regular polygons <br> - illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius <br> - recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. |  |  | - calculate and interpret the mean as an average. |
| Mental Maths | - addition and subtraction facts for multiples of 10 to 1000 and decimal numbers with one decimal place, e.g. $650+$ ? $=930$, ? $-1.4=2.5$ - what must be added to a decimal with units, tenths and hundredths to make the next whole number, e.g. $7.26+?=8$ <br> - derive number bonds to 1,000. <br> - squares to $12 \times 12$ <br> - squares of the corresponding multiples of 10 <br> - prime numbers less than 100 |  |  | - add or subtract pairs of decimals with units, tenths or hundredths, e.g. $0.7+3.38$ <br> - find doubles of decimals each with units and tenths, e.g. $1.6+1.6$ <br> - add near doubles of decimals, e.g. $2.5+2.6$ <br> - add or subtract a decimal with units and tenths, that is nearly a whole number, e.g. 4.3 $+2.9,6.5-3.8$ <br> - add or subtract 1 or 2 place decimal numbers less than 1 e.g. $0.74+0.33$ |  |  | - use knowledge of place value and related calculations, e.g. $680+430,6.8+4.3,0.68+0.43$ can all be worked out using the related calculation $68+43$ <br> - partition: double and adjust <br> - partition: add or subtract a whole |  |  | - count on or back in hundreds, tens, ones, tenths and hundredths <br> - use knowledge of place value and of doubles of two-digit whole numbers number and adjust, e.g. $4.3+2.9=4.3+3-$ $0.1,6.5-3.8=6.5-4+0.2$ |  |  |
| Times tables | Apply rules of divisibility for 2,5 and 10 times table |  | Reacp 3 and 4 times table |  | apply rules of divisibility for 3 times table | Recap 6 times table link to 3 times table | Recap 8 tim times table | link to 4 | Recap 7 times table |  | Reacp 9 times table finger trick | Reacp 11 <br> and 12 <br> times tables |
| Retrieval (Quick starter) | Recognize and name 2D and 3D shapes |  | Different types of angles inc estimating |  | Reading information off bar charts and tables |  |  | Time - reading clocks, calculating time intervals, converting time. |  |  | round any to a requir accuracy | hole number d degree of |
| Covid Recovery |  | Convert between different units of metric measure, e.g. km to $\mathrm{m}, \mathrm{cm}$ to $\mathrm{m}, \mathrm{cm}$ to mm , kg to g , I to ml . <br> Understand and use approximate equivalents between metric units and common imperial units. <br> Estimate volume and capacity. |  |  |  | Identify 3D shapes including cubes and other cuboids from other 2D representations. |  |  | Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. <br> Draw given angles and measure them in degrees. <br> Identify angles at a point, angles at a point on a straight line and other multiples of 90 degrees. <br> Use the properties of rectangles to deduce related facts and find missing lengths and angles. <br> Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. |  |  |  |





