

St Giles' C of E Primary School MEASUREMENT Progression

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
MEASUREMENT	<p>ELG - Children use everyday language to talk about size, weight, capacity and time and money to compare quantities and objects and to solve problems.</p>	<ul style="list-style-type: none"> * compare, describe and solve practical problems for: lengths & heights, mass/weight; capacity & volume; time * measure and begin to record lengths & heights; mass/weight; capacity & volume; time (hours, minutes, seconds) * recognise and know the value of different denominations of coins and notes * sequence events in chronological order using appropriate mathematical language * recognise and use language relating to dates, including days of the week, weeks, months and years * tell the time to the hour and half-past the hour and draw the hands on a clock face to show these times 	<ul style="list-style-type: none"> * choose and use appropriate standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (l/ml) to the nearest unit, using rulers, scales, thermometers and measuring vessels * compare and order lengths, mass, volume/capacity and record the results using > < and = * recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value * find different combinations of coins that equal the same amount of money * solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change * compare and sequence intervals of time * tell and write the time to five minutes, including quarter-past/to the hour and draw the hands on a clock face to show these times * know the number of minutes in an hour and the number of hours in a day 	<ul style="list-style-type: none"> * measure, compare, add and subtract lengths (m/cm); mass (g/kg); volume/capacity (cm³ /m³ ; l/ml) * measure the perimeter of simple 2D shapes * add & subtract amounts of money to give change (£ and p) * tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks * estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use appropriate vocabulary * know the number of seconds in a minute and the number of days in each month, year and leap year * compare durations of events 	<ul style="list-style-type: none"> * convert between different units of measure, [for example: km→m; hour →min] * measure and calculate the perimeter of a rectilinear figure (incl squares) in cm and m * find the area of rectilinear shapes by counting squares * estimate, compare and calculate different measures including money in £ and p * read, write and convert time between analogue and digital 12-hour and 24-hour clocks * solve problems involving converting from hours to minute; minutes to seconds; years to months; weeks to days 	<ul style="list-style-type: none"> * convert between different units of metric measurement * understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints * measure and calculate the perimeter of composite rectilinear shapes in cm and m * calculate and compare the area of rectangles (incl squares) and including using standard units, cm² and m² and estimate the area of irregular shapes * estimate volume and capacity * 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] 	<ul style="list-style-type: none"> * solve problems involving the calculation and conversion of units of measure, using decimal 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 up to 3 decimal places * convert between miles and km * recognise that shapes with the same areas can have different perimeters and vice-versa * recognise when it is possible to use formulae for area and volume of shapes * calculate the area of parallelograms, circles and triangles * calculate, estimate and compare volumes of cubes and cuboids using standard units, including cm and m and extending to other units