Use measures

	Years 1 and 2	Years 3 and 4	Years 5 and 6
	- Compare, describe and solve practical problems for: - lengths and heights - mass/weight - capacity and volume - time. - Measure and begin to record: - lengths and heights - mass/weight - capacity and volume - time (hours, minutes, seconds). - Recognise and know the value of different denominations of coins and notes. - Sequence events in chronological order using language. - Recognise and use language relating to dates, including days of the week, weeks, months and years.	- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). - Measure the perimeter of simple 2-D shapes. - Add and 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.	- Convert between different units of metric measure. - 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 centimetres and metres. - Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes. - Estimate volume and capacity. - Solve problems involving converting between units of time.

	- Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. - Use standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate 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 amounts of money.	- Compare durations of events. - Convert between different units of measure. (for example, kilometre to metre; hour to minute) - Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. - Find the area of rectilinear shapes by counting squares. - Estimate, compare and calculate different measures, including money in pounds and pence. - 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	- Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling. - 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 three decimal places. - Convert between miles and kilometres. - Recognise that shapes with the same areas can

	- • 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		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 and triangles. - 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.