

Measurement Strand

<u>Reception</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
N/A for ELGs Children will use various measuring equipment and use estimation through continuous provision.	Compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]. Compare, describe and solve practical problems for mass/weight [for example, heavy/light, heavier than, lighter than]. Compare, describe and solve practical problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]. Compare, describe and solve practical problems for time [for example, quicker, slower,	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate choose 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	Measure, compare, add and subtract lengths (m/cm/mm). Measure, compare, add and subtract mass (kg/g). Measure, compare, add and subtract volume/capacity (l/ml). Measure the perimeter of simple 2-D shapes. Add amounts of money to give change, using both £ and p in practical contexts. Subtract amounts of money to give change, using both £ and p in practical contexts. Tell and write the time from an analogue clock,	Convert between different units of measure: • km to m • kg to g • hours to minutes • minutes to seconds • m to cm • cm to mm 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 different measures, including money in pounds and pence. Calculate different measures, including money in pounds and pence.	Convert between different units of metric measure. Measure and calculate the perimeter of composite rectilinear shapes. Calculate and compare the area of rectangles. Estimate the area of irregular shapes. Estimate volume and capacity, with equipment. Solve problems involving converting between units of time. Use all four number operations to solve problems involving measure, using decimal notation, including scaling.	Solve problems involving calculation and conversion of units, including decimals. Read, write and convert between standard units. Compare imperial and metric units. Convert between miles and km. Recognise that shape with the same area can have a different perimeter. Know the formula for area. Know the formula for volume. Calculate the area for parallelograms. Calculate the area of triangles.

	earlier, and later]. Measure and begin to record the following: - 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 [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]. Recognise and use language relating to dates, including days of the week.	coins that equal the same amounts 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.	using Roman numerals from I to XII. Tell and write the time from an analogue clock, including using Roman numerals from I to XII. Tell and write the time from an analogue clock in twelve-hour clock. Tell and write the time from an analogue clock in twenty-four-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 vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon	Compare different measures, including money in pounds and pence. Read and write time on an analogue clock. Read and write time on a digital clock. Convert time between analogue and digital. Convert time between twelve and twenty-four-hour clocks. Solve problems involving converting from hours to minutes and minutes to seconds. Solve problems converting years to months/weeks to days.	Calculate volume. Understand and measure the radius and diameter of a circle.
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	Recognise and use language relating to dates, including weeks. Recognise and use language relating to dates, including months and years. Tell the time to the hour and draw the hands on a clock face to show these times. Tell the time half past the hour and draw the hands on a clock face to show these times.		and midnight. Know the number of seconds in a minute. Know the number of days in each month, year and leap year. Know the number of days in a year and leap year. Compare durations of events.			
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