

Progression Document: Measure

Year 1	I can measure how long something takes to happen - such as how long it takes me to run around the playground	[KEY] I use words such as long/short, longer/shorter, tall/short, double/half to describe my maths work when I am measuring.	[KEY] When working with capacity, I use the words full/empty, more than, less than, half, half full and quarter to explain my work.	I can measure the length or height of something and write down what measure.	[KEY] When weighing, I use the words heavy/light, heavier than, lighter than to explain my work.	I can measure how heavy an object is and write down what I find	I can measure the capacity of jugs of water and write down what I measure.	[KEY] I can answer questions about time, such as Who is quicker? or What is earlier?	I use special time words such as before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.	I can tell you the days of the week and months of the year and I can talk about weeks and months and years and what they mean.	[KEY] I can tell the time and draw hands on a clock for to the hour and half past the hour times
Year 2	I can choose, use and measure the correct unit to measure length or height in any direction (m/cm); weight (kg/g); temperature (°C); or capacity (litres/ml).		I can compare and order lengths, weight and capacity and then record the results using symbols for greater than, less than and equals.		[KEY] I can describe my position, direction and movement, including describing turns as quarter, half and three-quarter turns in clockwise and anti-clockwise directions.		I can put the time of events in order.		I can 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.		I know there are 60 minutes in an hour and 24 hours in a day.
Year 3	[KEY] I can measure and compare in these units: lengths (m/cm/mm), weight (kg/g) and capacity (l/ml).	I can identify and estimate numbers in different units such as length (mm and m) and weight (g and kg).	[KEY] I can solve number problems, working with numbers up to 1000 and in different units of measurement.	[KEY] I can tell and write the time from a clock with numbers or Roman numerals or using 12 and 24 hour clocks.	I know and use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight in my maths work.	I can measure and record time passing in seconds, minutes and hours.	I can tell the time accurately to the nearest minute.	I know the number of seconds in a minute and the number of days in each month, year and leap year.	I can calculate how long an event or task took to complete.		
Year 4	I can make estimates of a range of things - such as how many small objects there are in a large jar, how long in cm an object is, how heavy an object may weigh in kg.		I can convert hours to minutes, minutes to seconds, years to months and weeks to days.		[KEY] I can convert one unit of measurement to another, such as kilometre to metre, hour to minute and cm to mm.			I can read, write and convert time between clocks with hands (analogue clocks) and digital 12- and 24-hour clocks.		I can estimate and compare the measurements of a range of measures (such as cm, km, g, litres) and money.	
Year 5	I can change metric units to become imperial units such as inches, pounds and pints.		I can solve more difficult problems which involve units of measurement, decimal numbers and scales.		I can estimate volume [for example, using 1 cm3 blocks to build cuboids] and capacity [for example, using water].			[KEY] I can convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).		I can convert between the units of time.	
Year 6	[KEY] I can convert measurements of length, weight, volume and time up to three decimal places in length (for example 0.345kg = 345g).		I can convert between miles and kilometres.		I can use a formula for area and volume of shapes.		I can work with the volume of cubes and cuboids using cubic centimetres (cm3) and cubic metres (m3), and other units too such as mm3 and km3.		I solve problems about different units of measures with three decimal places.		can multiply, divide, add and subtract large numbers in my head.