PROGRESSION IN MEASUREMENT (CONVERTING UNITS AND VOLUME) YEAR 5

Strand	What do I already know?	What am I going to be learning?	What will I learn in Year 6?
Comparing and estimating	Y1 - compare, describe and solve practical problems for: • lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half] • mass/weight [e.g. heavy/light, heavier than, lighter than] • capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter] • time [e.g. quicker, slower, earlier, later] Y2 -compare and order lengths, mass, volume/capacity and record the results using >, < and = Y4 - estimate, compare and calculate different measures.	Estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water).	Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm^3) and cubic metres (m^3), and extending to other units such as mm^3 and km^3.
Measuring and Calculating	Y1 - measure and begin to record the following: * lengths and heights * mass/weight * capacity and volume * time (hours, minutes, seconds) Y2 -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 unit, using rulers, scales, thermometers and measuring vessels Y3 - measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	Use all four operations to solve problems involving measure (e.g. 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.
Telling the time	solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (Y4) read, write and convert time between analogue and digital 12 and 24-hour clocks (Y4)	solve problems involving converting between units of time (*timetables)*	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
Converting	Converting units of time (KS1). Y4 - Convert between different units of measure (e.g. kilometre to metre). *Y2 (Comparing strand): compare and order lengths, mass, volume/capacity and record the results using >, < and =*	Convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre). understand and use equivalences between metric units and common imperial units such as inches, pounds and pints	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 to up to three decimal places. convert between miles and kilometres
Vocabulary	(kilo)metre, metre, greater than (>), less than (<), capacity, volume, cubed, cubic, estimate, approximately, duration, departure, arrival.		