Measurement

			Using Measures			
EYFS	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Order two or three items by length or height Order two items by weight or capacity	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] measure and begin to record the following: * **lengths and heights** * **mass/weight** * **capacity and volume** * **time** (hours,	compare and order lengths, mass, volume/capacity and record the results using >, < and = 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	measure, compare, add and subtract: **lengths** (m/cm/mm); **mass** (kg/g); **volume/capacity** (l/ml)	convert between different units of measure (e.g. kilometre to metre; hour to minute) estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring)	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 all four operations to solve problems involving measure (e.g. **length, mass, volume, money**) using decimal notation including scaling. <mark>Unit 12 Book 5C</mark>	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 of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places convert between miles and kilometres

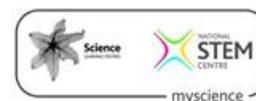|						
	minutes, seconds**)**	appropriate unit, using rulers, scales, thermometers and measuring vessels				calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm^3) and cubic metres (m^3), and extending to other units such as mm^3 and km^3.

Money

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	recognise and know the value of different denominations of **coins and notes** Unit 18 Book 1C	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 **solve simple problems** in a practical context involving addition and subtraction of money of the same unit, including giving change Unit 4 Book 2A	add and subtract amounts of **money** to give change, using both £ and p in practical contexts Unit 6 Book 3B	estimate, compare and calculate **different measures,** including **money in pounds and pence** (appears also in Comparing) Unit 12 Book 4C	use all four operations to solve problems involving measure for **money** Unit 12 Book 5C	

Perimeter, Area & Volume

			measure the **perimeter** of simple	measure and calculate the	measure and calculate the **perimeter** of	recognise that shapes with the same areas

				2-D shapes **Unit 8 Book 3B**	**perimeter** of a rectilinear figure (including squares) in centimetres and metres **Unit 4 Book 4A** find the area of rectilinear shapes by counting squares **Unit 7 Book 4B**	composite rectilinear shapes in centimetres and metres **Unit 6 Book 5A** calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes **Unit 6 Book 5A** estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water) **Unit 17 Book 5C**	can have different **perimeters** and vice versa **Unit 11 Book 6B** recognise when it is possible to use formulae for area and volume of shapes **Unit 11 Book 6B** calculate the area of parallelograms and triangles **Unit 11 Book 6B** calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [e.g. mm^3 and km^3]. **Unit 11 Book 6B**

Measurement

TELLING THE TIME						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Order and sequence familiar events Measure short periods of time in simple ways ELG - children use everyday language to talk about time	sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] Unit 17 Book 1C	compare and sequence intervals of time Unit 13 Book 2C	compare durations of events, for example to calculate the time taken by particular events or tasks Unit 11 Book 3C			
	tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. Unit 17 Book 1C	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. Unit 13 Book 2C	tell and write the time from an analogue clock, *including using Roman numerals from I to XII*, and 12-hour and 24-hour clocks Unit 11 Book 3C	read, write and convert time between analogue and digital 12 and 24-hour clocks Unit 13 Book 4C		use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa, using Unit 14 Book 6C
	recognise and use language relating to dates, including days of the week, weeks, months and years Unit 17 Book 1C	know the number of minutes in an hour and the number of hours in a day. Unit 13 Book 2C	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use			

				vocabulary such as a.m./p.m., morning, afternoon, noon and midnight <mark>Unit 11 Book 3C</mark>			
					solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days <mark>Unit 13 Book 4C</mark>	solve problems involving converting between units of time <mark>Unit 16 Book 5C</mark>	

Measurement

CONVERTING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	know the number of minutes in an hour and the number of hours in a day. (appears also in Telling the Time)	know the number of seconds in a minute and the number of days in each month, year and leap year			
			read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)	solve problems involving converting between units of time	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (appears also in Measuring and Calculating)
			solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Telling the Time)		