

## Curriculum progression



THURGOLAND

CHURCH OF ENGLAND PRIMARY SCHOOL



### Measurement

Comparing and Estimating						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I know how to make comparisons between objects relating to size, length, weight and capacity.</p> <p>I know how to compare length, weight and capacity.</p>	<p>I know how to compare: Length/height Mass/weight Capacity/volume Time</p> <p>I know how to describe: Length/height Mass/weight Capacity/volume Time</p> <p>I know how to solve problems for: Length/height Mass/weight Capacity/volume Time</p>	<p>Compare and order lengths, mass, volume/capacity and record the results using <math>&lt; &gt; =</math></p> <p>I know how to compare and order: Length, mass, volume, capacity.</p> <p>I know how to use <math>&lt; &gt; =</math> to compare length, mass, volume, capacity.</p> <p>I know how to compare intervals of time.</p> <p>I know how to sequence intervals of time.</p>	<p>I know how to measure and compare: Lengths (m/cm/mm) Mass (kg/g) Volume/capacity (L/ML)</p> <p>I know how to subtract and add using: Lengths (m/cm/mm) Mass (kg/g) Volume/capacity (L/ML)</p> <p>I know how to compare durations of time.</p>	<p>I know how to estimate different measures including money (pounds and pence)</p> <p>I know how to compare different measures including money (pounds and pence)</p> <p>I know how to calculate different measures including money (pounds and pence)</p>		<p>I know how to read and write standard units of measure.</p> <p>I know how to convert between standard units so I can convert lengths, mass, volume and time from a smaller unit to a larger unit and vice versa.</p> <p>I know how to use decimal notation for measurement units up to 3 decimal places.</p> <p>I know how to convert between miles and kilometres.</p>



**Measuring and Calculating**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
I know how to find the longer or shorter, heavier or lighter and more/less full of two items	<p>I know how to measure length and height.</p> <p>I know how to measure mass and weight.</p> <p>I know how to measure capacity and volume.</p> <p>I know how to measure time.</p> <p>I know how to record measurements.</p>	<p>I know how to estimate to the nearest: m/cm, kg/g, oC, L/ML</p> <p>I know how to measure temperature in degrees celcius so I can read a thermometer.</p> <p>I know how to measure capacity in l or ML so I can read a measuring vessel.</p> <p>I know how to measure weight/mass in kg/g so I can read scales.</p> <p>I know how to measure length in m/cm so I can read a ruler.</p>	<p>I know how to measure and compare:</p> <p>Lengths (m/cm/mm)</p> <p>Mass (kg/g)</p> <p>Volume/capacity (L/ML)</p> <p>I know how to subtract and add using:</p> <p>Lengths (m/cm/mm)</p> <p>Mass (kg/g)</p> <p>Volume/capacity (L/ML)</p> <p>I know how to compare durations of time.</p>		<p>I know approximate equivalence between metric units and common imperial units (pounds, inches and pints)</p> <p>I know how to use the four operations so I can solve problems involving measure.</p> <p>I know how to use decimal notations including scaling to record measure.</p>	<p>I know how to convert units of measure so I can solve problems.</p> <p>I know how to read and write units of measure with up to three decimal places.</p>



Converting						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		I know the number of minutes in an hour and the number of hours in a day.	I know the number of seconds in a minute.  I know the number of days in each month, year and leap year.	I know how to convert between different units (e.g. KM to M, hour to minute)  I know how to convert between units of measure so I can solve problems. (Hours to minutes, minutes to seconds, years to months, weeks to days).	I know how to convert between units of metric measure (KM to M, CM to M, CM and MM, G and KG, L and ML)  I know how to convert units of time and measure so I can solve problems.	I know how to convert between standard units.  I know the process of converting measurements of time from a smaller unit of measure to a larger unit and vice versa

Money						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	I know the value of coins and notes so I can recognise the denominations.	Recognise and use symbols for pounds £ and pence p  I know the symbol for pounds is £.  I know the symbol for pence is p.  I know the value of coins and notes so I can combine to make values.	I know how to add and subtract amounts of money to give change, using both £ and p in practical contexts.	I know how to estimate, compare and calculate different measures including money in pounds and pence.	I know how to use all four operations so I can solve problems involving measure.	



		<p>I know how to find different combinations of coins to equal the same amount of money.</p> <p>I know how to add and subtract money so I can solve simple problems.</p> <p>I know how to subtract money to find the change.</p>				
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Telling the time						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I know how to describe a sequence of events, real or fictional, using words such as 'first', 'then...'</p> <p>I know how to recall a sequence of events in everyday life and stories.</p>	<p>I know how to sequence events in chronological order using time language (before, after, next, today, tomorrow, afternoon, evening).</p> <p>I know language relating to dates so I can describe days of the week, weeks, months and years to measure time.</p>	<p>I know the clock in 5 minute intervals so I can tell and write the time.</p> <p>I know when the minute hand is at 3 it is quarter past.</p> <p>I know when the minute hand is at 9 it is quarter to.</p> <p>I know how to read and draw quarter past and quarter to on a clock.</p>	<p>I know how to tell and write the time from an analogue clock.</p> <p>I know roman numerals on a clock from I to XII.</p> <p>I know how to read a 12-hour and 24-hour clock.</p> <p>I know how to estimate and read time with increasing accuracy to the nearest minute,</p>	<p>I know how to read, write and covert time between analogue and digital 12 and 24 hour clocks.</p>		<p>I know how to use, read and write standard units of time.</p>



	<p>I know when the minute hand is at 12 it is 0'clock.</p> <p>I know when the minute had is at 6 it is half past.</p> <p>I know how to read and draw half past and o'clock on a clock.</p>		<p>record and compare time in terms of seconds, minutes and hours</p>			
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**Perimeter, Area and Volume**

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			<p>I know how to measure the perimeter of simple 2D shapes.</p>	<p>I know how to measure and calculate the perimeter of a rectilinear figures (including squares) in centimetres and metres.</p> <p>I know how to find the area of rectilinear shapes by counting squares.</p>	<p>I know how to measure and calculate the perimeter of composite rectilinear shapes in CM and M.</p> <p>I know how to calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres and</p>	<p>I know that shapes with the same areas can have different perimeters and vice versa.</p> <p>I know when to use formulae for area and volume of shapes.</p> <p>I know how to calculate the area of parallelograms (b x</p>



					<p>square metres and estimate the area of irregular shapes.</p> <p>I know how to estimate volume using 1cm<sup>2</sup> blocks to build cuboids (including cubes) and capacity</p>	<p>ph) and triangles (<math>\frac{1}{2} \times \text{ph} \times \text{b}</math>)</p> <p>I know how to calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres, cubic metres and extending to other units (MM<sup>3</sup> and KM<sup>3</sup>)</p>
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