

Church Preen Primary School – Measurement

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement : using measures	Compare : length, weight, and capacity	<p>Compare, describe and solve practical problems for:</p> <ul style="list-style-type: none"> - Length and heights - Mass/weight - Capacity and volume - Time <p>Measure and begin to record the following:</p> <ul style="list-style-type: none"> - Lengths and heights - Mass/weight - Capacity and volume - Time (hours, minutes, seconds) 	<p>Choose and use appropriate standard units to estimate and measure:</p> <ul style="list-style-type: none"> ➤ Length/height in any direction (m/cm) ➤ Mass (g and kg) ➤ Capacity (ml and l) <p>To the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order lengths, mass, volume/capacity and record the results using <, > and =</p>	<p>Measure, compare, add and subtract lengths(m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p>	<p>Convert between different units of measure (for example, kilometre to metre; hour to minute)</p> <p>Estimate, compare and calculate different measures</p>	<p>Convert between different units of metric measure (for example, kilometre to metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>Understand and use approximate equivalencies between metric units and common imperial units such as inches, pounds and pints</p> <p>Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling</p>	<p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places, where appropriate</p> <p>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 one, and vice versa using decimal notation up to three decimal places</p> <p>Convert between miles and kilometres</p>
Measurement : Money		<ul style="list-style-type: none"> • Recognise and know the value of different denominations of coins and notes 	<ul style="list-style-type: none"> • Recognise and use the symbol for pounds (£) and pence (p); combine amounts to make a particular value • Find different combinations of 	<ul style="list-style-type: none"> • Add and subtract amounts of money to give change, using both £ and p in practical contexts 	<ul style="list-style-type: none"> • Estimate, compare and calculate different measures including money in pounds and pence 	<ul style="list-style-type: none"> • Use all four operations to solve problems involving measure (for example, money) 	<ul style="list-style-type: none"> •

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			<p>coins that equal the same amounts of money</p> <ul style="list-style-type: none"> • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change 				
Measurement : Time		<ul style="list-style-type: none"> • Sequence events in chronological order using language (for example before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening)⁴ 	<ul style="list-style-type: none"> • 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 to show these times • Know the number of minutes in an hour and number of hours in a day 	<ul style="list-style-type: none"> • Tell and write the time from an analogue clock, including Roman numerals from I to XII and 12 and 24-hour clocks • Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, 	<ul style="list-style-type: none"> • Read, write and convert time between analogue and digital 12- and 24-hour clocks • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days 	<ul style="list-style-type: none"> • Solve problems by converting between units of time 	<ul style="list-style-type: none"> • Use, read, write and convert between standard units, converting measurement of time from a smaller unit of measure to a larger unit and vice versa

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				<p>minutes and hours, use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight</p> <ul style="list-style-type: none"> • Know the number of seconds in a minute and the number of days in each month, year and leap year • Compare durations of events (for example, to calculate the time taken by particular events and tasks) 			
Measurement : Perimeter, Area, Volume		•	•	<ul style="list-style-type: none"> • Measure the perimeter of simple 2-D shapes 	<ul style="list-style-type: none"> • Measure and calculate the perimeter of a 	<ul style="list-style-type: none"> • Measure an calculate the perimeter of 	<ul style="list-style-type: none"> • Recognise that shapes with the same areas can have different

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					<p>rectilinear figure (including squares) in centimetres and metres</p> <ul style="list-style-type: none"> Find the area of a rectilinear shape by counting squares 	<p>composite rectilinear shapes in centimetres and metres</p> <ul style="list-style-type: none"> Calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes Estimate volume (for example, using 1cm^3 block to build cuboids) and capacity (for example, 	<p>perimeters and vice versa</p> <ul style="list-style-type: none"> Recognise where it is possible to use formulae for area and volume of shapes Calculate the area of parallelograms and triangles 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 (for example, mm^3 and km^3)
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