St Benedict's Catholic Primary School
Progress in Skills: Mathematics: Measurement

With Jesus, we learn, love and laugh

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn Term	Compare, describe and solve practical problems for: - length/heights, - mass/weight, - capacity/volume, - time Recognise and know the value of different denominations of coins and notes. Tell time to the hour.	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.	Measure, compare, add and subtract: Lengths (m/cm/mm)	Convert between different units of measure (e.g. km to m, hr to mins) Estimate, compare and calculate different measures. Read, write and convert time between analogue and digital 12 and 24 hour clocks. Solve problems involving converting from hours to mins; mins to secs; years to months; weeks to days.		
Spring Term	Measure and begin to record the following: - length/heights, - mass/weight, - capacity/volume, - time (hours, minutes, seconds)	Solve simple problems in a practical context involving addition & subtraction of money of the same unit, incl. giving change.	Measure the perimeter of simple 2D shapes. Add and subtract amounts of money to give change, using both £ and p in practical contexts. Tell and write the time from an analogue clock. Use time vocabulary such as am/pm, noon and midnight. Know the number of seconds in a minute & days in each month, year and leap year.	Measure & calculate the perimeter of a rectilinear figure (incl squares) in cm and m.	Estimate volume (e.g. using 1cm³ blocks to build cubes and cuboids) & capacity (e.g. using water). Measure and calculate the perimeter of composite rectilinear shapes in cm and m. Calculate and compare the area of rectangles (incl. squares) using standard units cm² and m² and estimate the area of irregular shapes.	Calculate, estimate and compare volume of cubes & cuboids using standard units incl. cm³ and m³ and extending to other units such as mm³ and km³ Convert between miles and km. Recognise when it is possible to use the formulae for area & volume of shapes Recognise that shapes with the same areas can have different perimeters and vice versa. Calculate the area of parallelograms and

						triangles.
Summer Term	Measure and begin to record the following: - length/heights, - mass/weight, - capacity/volume, - time (hours, minutes, seconds) Sequence events in chronological order using mathematical language (e.g. before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening). Recognise and use language relating to dates, incl. days of the week, months, years. Tell time to the hour and half past the hour and draw the hands on a clock face to show these times.	Choose and use appropriate standard units to estimate and measure: - Length/height in any direction (m/cm) - Mass (kg/g) - Temperature (ºC) - Capacity (l/ml) to the nearest appropriate unit, using rulers, scales, thermometers & measuring vessels. Compare and order lengths, mass, volume/ capacity & record the results using < > and = Compare and sequence intervals of time. Tell and write the time to 5 minutes incl. quarter past/ to the hour & draw the hands on a clock face to show these times.	Measure, compare, add and subtract: Mass (kg/g) Volume / capacity (l/ml) Add and subtract amounts of money to give change, using both £ and p in practical contexts. Tell and write the time from an analogue clock incl. Roman numerals and 12/24 hour clocks Estimate and read time with increasing accuracy to the nearest minute. Record and compare time in terms of secs, mins, hrs. Compare durations of events, e.g. calculate the time taken by particular events or tasks.	Find the area of rectilinear shapes by counting squares. Estimate, compare & calculate different measures incl. money in pounds and pence.	Convert between different units of metric measure (e.g. km/m, cm/m, cm/mm, g/kg, l/ml) Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints). Use all 4 operations to solve problems involving measure using decimal notation, incl. scaling. Solve problems involving converting between units of time.	Solve problems involving the calculation & conversion of units of measure, using decimal notation to 3 decimal places where appropriate. Use, read, write and convert between standard units, converting measurements of length, mass, volume & time from a smaller unit of measure to a larger unit and vice versa, using decimal notation to 3 decimal places.