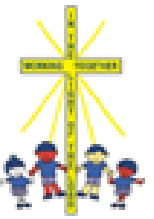# St Martin De Porres Catholic Primary School – Maths Curriculum Learning Journey: Measurement – Length, Height, Perimeter, Area and Volume

EYFS

Can you say which object is the heaviest and lightest, and which is the longest and shortest?

Can you use the words full and empty to say how much water is in a container?

Year 1

Can you solve problems for length and height by telling which objects are longer or shorter/ taller or shorter?

Can you solve problems for mass and weights by telling which objects are heavier or lighter?

Can you tell if a container is empty, half full or full and if there is more in one container than another?

Year 2

Can you choose the right units to measure length, height, mass, temperature or capacity and read to the nearest unit on rulers or scales?

Can you compare amounts using these signs: >, < or = ?

Year 3

Can you measure the perimeter of simple 2-D shapes?

Can you measure, compare, add and subtract: lengths mass , volume and capacity?

Can you measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres?

Can you convert between different forms of metric measurement e.g. Kilometre and metre?

Year 5

Can you convert different units of measurement?

Can you find the area of rectilinear shapes by counting squares?

Can you measure and calculate the perimeter of a square in cms and metres?

Year 4

Can you calculate and compare the area of rectangles and squares, including using standard units (cm² and m²) and estimate the area of irregular shapes?

Can you use all four operations to solve problems involving measure such as length, mass, volume & money?

Year 6

Can you solve problems involving the calculation and conversion of units of measure, using decimal notation up to three places if I need to?

Can you use, read, write and convert between standard units?

Can you convert between miles and kilometres?

Can you calculate, estimate and compare volumes of cubes and cuboids using standard units?

Can you recognise that shapes with the same areas can have different perimeters and vice versa?

Can you recognise when it is possible to use formulae to find the areas or volumes of shapes and can calculate the area of parallelograms and triangles?

Can you estimate volume by using 1cm³ blocks to build cuboids (including cubes) and capacity by using water and different containers?