



Maths – Measure (Length, Height, Area and Perimeter) - Whole School Progression

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4
			Measurement: Length and Height	Measurement: Length and height	Measurement: Length and Perimeter	Measurement: Length and Perimeter/ Area
White Rose Maths Small Steps	<u>Shape, space and measure 2 – explore position and space</u>	-Compare size -Explore length -Compare length -Explore height -Compare height	-Compare lengths and heights. -Measure length using objects -Measure length in centimetres	-Measure in centimetres -Measure in metres -Compare lengths and heights -Order lengths and heights -Four operations with lengths and heights	-Measure in metres and centimetres -Measure in millimetres -Measure in centimetres and millimetres -Metres, centimetres and millimetres -Equivalent lengths – (metres and centimetres) - Equivalent lengths – (centimetres and millimetres) -Compare lengths -Add lengths -Subtract lengths -What is perimeter? -Measure perimeter - Calculate perimeter	<u>Length and perimeter:</u> -Measure in kilometres and metres -Equivalent lengths (kilometres and metres) -Perimeter on a grid -Perimeter of a rectangle -Perimeter of rectilinear shapes -Find missing lengths in rectilinear shapes -Calculate perimeter of rectilinear shapes -Perimeter of regular polygons -Perimeter of polygons <u>Area:</u> -What is area? -Count squares -Make shapes. -Compare areas
National Curriculum Links	<u>Development matters - 3–4-year-olds:</u> Make comparisons between objects relating to size, length, weight and capacity.	<u>Development matters – reception year:</u> Compare length, weight and capacity	-Measurement: Length and Height Measure and begin to record lengths and heights. -Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half).	-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 appropriate unit, using rulers, scales, thermometers and measuring vessels. -Compare and order lengths, mass, volume/capacity and	-Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). -Measure the perimeter of simple 2D shapes.	<u>Length and perimeter:</u> -Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. -Convert between different units of measure [for example, kilometre to metre]. <u>Area:</u> -Find the area of rectilinear shapes by counting squares.



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				record the results using >, < and =.		
Vocabulary	big, bigger, large, little, small, smaller	height, length, long, longer, longest, measure, short, shorter, shortest, tall, taller, tallest	centimetres, ruler	metres	convert, millimetres, perimeter	area, kilometres, rectilinear, width