Overview of Measurement Attributes

	Foundation	Lower Primary	Middle Primary	Upper Primary	Lower Secondary	Middle Secondary
Length	• describe informally e.g. taller • use informal units	• use cm to measure • use m to measure	• estimate length using cm and m	• perimeters of shapes • conversion between metric units	• circumference of circles	• composites and parts of figures e.g. arc length • Pythagoras' theorem
Area	• describe informally e.g. covers more	• measure with informal units e.g. cover with tiles	• calculate area of rectangles		• calculate area of triangles and parallel'ms • calculate areas e.g. circles, prisms, cylinders	
Volume and Capacity	• describe informally e.g. holds more	• measure with informal units e.g. scoop	• measure and estimate using litres	• convert litres to mL	• calculate volume of prisms and cylinders	• calculate volume of 3-D shapes
Mass	• describe informally e.g. heavier	• measure with informal units e.g. brick	• measure and estimate using kg	• convert kg to g, etc		
Time and Rates	• measure with informal units e.g. claps • order days of the week • know calendar	• read clocks • use hours and minutes		• calculate durations	• solve problems involving simple rates (per unit time or area)	• calculate rates in many contexts involving time (e.g. liquid flow) and not involving time (density, concentration, etc)
Temperature		• describe as hot, cold etc • use degrees Celsius				
Angle			• estimate angles dynamically (half and quarter turn)	• measure and estimate static angles using degrees	• measure reflex and obtuse angles	• calculate with degrees, minutes, seconds • use radians
Metric measurement		• use cm • use litre, metre, kilogram		• m to cm etc • use g, mm, mL, etc •convert e.g. litres to mL	• recognise base ten significance of metric prefixes (milli, etc) • use wide range of units and conversions	
	Foundation	**Lower Primary**	**Middle Primary**	**Upper Primary**	**Lower Secondary**	**Middle Secondary**