Our Lady & St. Edward's Catholic Primary School

Measurement

COMPARING AND ESTIMATING							
F1	F2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Compare quantities using language such as "more" and "fewer" THERE IS NO ELG RELATED TO SSM	Compare length, weight and capacity	compare, describe and solve practical problems for: * lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half] * mass/weight [e.g. heavy/light, heavier than, lighter than] * capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter] * time [e.g. quicker, slower, earlier, later]	compare and order lengths, mass, volume/capacity and record the results using >, < and =		estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring)	calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes (also included in measuring)	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm^3) and cubic metres (m^3), and extending to other units such as mm^3 and km^3.
Make comparisons between objects relating to size, length, weight and capacity	To use prior vocabulary and supplement with lightest/ heaviest/ tallest/ shortest/ half full/ quickest/ slowest					estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water)	
Investigate measure using appropriate vocabulary heavy/ light/ same as/ heavier/ lighter/	To compare, describe and solve practical problems for - length and heights - weight - capacity	sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and	compare and sequence intervals of time	compare durations of events, for example to calculate the time taken by particular			

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Measurement

tall /short/ long/ longer/ shorter/ empty/ full/ nearly full/ nearly empty	- time	evening]		events or tasks			
	To order and sequence 3 comparisons of measure			estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Telling the Time)			

MEASURING and CALCULATING							
F1	F2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	To begin to use non–standard units to measure static objects	measure and begin to record the following: * **lengths and heights** * **mass/weight** * **capacity and volume**	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	measure, compare, add and subtract: **lengths** (m/cm/mm); **mass** (kg/g); **volume/capacity** (l/ml)	estimate, compare and calculate **different measures,** including **money in**	use all four operations to solve problems involving measure (e.g. **length, mass,**	solve problems involving the calculation and conversion of **units of**

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Measurement

		* **time** (hours, minutes, seconds**)**	nearest appropriate unit, using rulers, scales, thermometers and measuring vessels		**pounds and pence** (appears also in Comparing)	**volume, money**) using decimal notation including scaling.	**measure**, using decimal notation up to three decimal places where appropriate (appears also in Converting)
	To record findings during investigations			measure the **perimeter** of simple 2-D shapes	measure and calculate the **perimeter** of a rectilinear figure (including squares) in centimetres and metres	measure and calculate the **perimeter** of composite rectilinear shapes in centimetres and metres	recognise that shapes with the same areas can have different **perimeters** and vice versa
	To understand the importance of constant baseline						

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Measurement

MEASURING and CALCULATING							
F1	F2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		recognise and know the value of different denominations of **coins and notes**	recognise and use symbols for pounds **(£) and pence (p)**; combine amounts to make a particular value	add and subtract amounts of **money** to give change, using both £ and p in practical contexts			
			find different combinations of coins that equal the same amounts of money				
			solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change				
					find the area of rectilinear shapes by counting squares	calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes *recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3})* (copied from	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 [e.g. mm^3 and km^3].
							recognise when it is possible to use formulae for area and volume of shapes

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Measurement

						Multiplication and Division)	
TELLING THE TIME							
F1	F2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Understand position through words alone	To sequence a familiar set of events both fictional and non-fictional	tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)		
Begin to describe a sequence of events using words such as "first", "then"	To be introduced to and understand the o'clock time on an analogue clock.	recognise and use language relating to dates, including days of the week, weeks, months and years	know the number of minutes in an hour and the number of hours in a day. (appears also in Converting)	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Comparing and Estimating)			
	To be able to read and draw the				solve problems involving converting from hours to minutes; minutes to	solve problems involving converting between units of time	

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Measurement

	hands on a clock face to show this times				seconds; years to months; weeks to days (appears also in Converting)		
	NO ELG FOR SSM						

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CONVERTING							
F1	F2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			know the number of minutes in an hour and the number of hours in a day. (appears also in Telling the Time)	know the number of seconds in a minute and the number of days in each month, year and leap year	convert between different units of measure (e.g. kilometre to metre; hour to minute)	convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	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 unit, and vice versa, using decimal notation to up to three decimal places
					read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)	solve problems involving converting between units of time	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (appears also in Measuring and Calculating)
					solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to	understand and use equivalences between metric units and common imperial units such as inches, pounds and pints	convert between miles and kilometres

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					days (appears also in Telling the Time)		