Burford Primary School
'Respect, Aspire, Achieve'

COMPARING AND ESTIMATING							
Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Make comparisons between objects relating to size, length, weight and capacity Use gestures or words to compare objects	Can compare length, weight and capacity Can compare quantities up to 10 in different contexts, recognising greater than/ less than or the same an another quantity	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) estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water)	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.
		sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday,	compare and sequence intervals of time	compare durations of events, for example to calculate the time taken by			

		tomorrow, morning, afternoon and evening]		particular events or tasks			
				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							
Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Explore measures using standard and non-standard measuring equipment	measure and begin to record the following: * **lengths and heights** * **mass/weight** * **capacity and volume** * **time** (hours, minutes, seconds**)**	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 pounds and pence** (appears also in Comparing)	use all four operations to solve problems involving measure (e.g. **length, mass, volume, money**) using decimal notation including scaling.	solve problems involving the calculation and conversion of **units of measure**, using decimal notation up to three decimal places where appropriate (appears also in Converting)

			nearest appropriate unit, using rulers, scales, thermometers and measuring vessels				
				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
MEASURING and CALCULATING							
Nursery	EYFS	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

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, | add and subtract amounts of **money** to give change, using both £ and p in practical contexts | 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 Multiplication and Division) | calculate the area of parallelograms and triangles |

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			including giving change				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

TELLING THE TIME							
Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Sequence some events in their day	Use vocabulary such as before, after, next, yesterday, tomorrow Know days of the week	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	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and	read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)		

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			on a clock face to show these times.	12-hour and 24-hour clocks			
		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)			
					solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Converting)	solve problems involving converting between units of time	

CONVERTING							
Nursery	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
			know the number of minutes in an hour and the	know the number of seconds in a minute and the	convert between different units of measure (e.g.	convert between different units of metric measure	use, read, write and convert between standard

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			number of hours in a day. (appears also in Telling the Time)	number of days in each month, year and leap year	kilometre to metre; hour to minute)	(e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	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 days (appears also in Telling the Time)	understand and use equivalences between metric units and common imperial units such as inches, pounds and pints	convert between miles and kilometres