Numeracy in the Curriculum

English	Science	Art
• Frequency of words (e.g. Shakespeare vs. Bacon) Line Graphs - charting emotional response • Algebraic aspects of poetry structure • Metre in poetry and Shakespeare plays	• Various arithmetical calculations • Equations • Graphs and charts of all kinds • Orders of magnitude and conversions • Decimals and significant figures	• Geometric shapes in art – Kandinsky, Delauney • Fractals • Scale and depth – Bridget Riley • Proportion • Rule of thirds • Golden Ratio (1.168)
D & T	**Drama & Dance**	**Geography**
• Measurements, weighing, percentages and ratios • Constructions and drawing to scale • Calculating material needed and amount of waste • Calculation of area, volume and gear ratio • Estimation of measurements, accuracy of measurement and rounding to an appropriate degree of accuracy.	• Volume percentages • Lighting intensity • Measurements in set making • Timing • Formations • Rhythm • Shape and patterns	• Coordinates, area and scales in plans and maps • Graphs and charts of all kinds • Use of central tendency, spread and cumulative frequency (median, mean, range, quartiles and inter-quartile range, mode and modal class)
History	**ICT**	**MFL**

• Measuring time - chronology
• Interpreting statistics as evidence
• Making judgements supported by numerical evidence
	• ICT
	  Spread sheets, databases and flowcharts
	  Use of functions in spread sheets
	• Graphs
	• Algebra in programming
	• Coordinates & scale and rotation in vector graphics
	• Decimals and binary conversions
		• Conversions - money Subtraction – time differences
		• Arithmetic in different languages.
		• Reading numerical signs and information.

Music	**PE**	**RE**
• Time signatures, rhythm and metre • Patterns and sequences for composing, performing and appraising music • Interpreting and understanding musical symbols and wider music theory	• Distance, speed and time calculations • Angles – closing down Ratios and shape – balances and routines • Counting – tracking heart rates / scoring • Percentages – calculating success rates • Division – training zones	• Use of shape in iconography – pillars of Islam • Use of numerical language and associations: trinity, Trimurti • Statistics – Hurricane Katrina case study • Importance of numbers as factors and multiples in religions – e.g. 12. Dates and calendar.