Numeracy Audit - STEM- St. Andrews.

Numeracy Skill	Breakdown of skill	E&O	Admin & IT	Accounts	Biology	Bus Man	Chemistry	Computing	Design	Geography	Graphics	Practical Craft	Physics	Home Econmics	
Types of data	Qualitative	MNU 1.21 MTH 3.25			ALL BGE UNITS	ALL BGE UNITS	ALL BGE UNITS						ALL BGE UNITS		First meet
	Quantatative														S1
sig fig and rounding	realistic measurable values.	MNU 4.01a MNU 3.01a MNU 2.01a	S/SHEETS Feb S2 & Nov S3.	S1 - Wages and invoices March	S3 PS UNIT	S1 - Wages and invoices March	S3 CCS unit	Feb S3				All Stages	Aug S3		S2
notation and power	changing to basic decimal	MTH 4.06a MTH3.06a						Feb S3					Aug S3		S3+
units	conversions	MNU 2.11b	S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2		ALL BGE UNITS	S3 CCS unit	Feb S3	S1-S6		S1-S6	S1-S6	Aug S3		
Averages	Mean	MTH3.21A MTH 3.20B	S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS		ALL BGE UNITS	Feb S3		S5 AVU			ALL BGE UNITS		
	Range														
Addition and subtraction		MNU 2.03a	S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS	ALL BGE UNITS	ALL BGE UNITS	Feb S3	All stages with Practical	S4 and S5 AVU		S1-S6	ALL BGE UNITS	S3/N5 Costing	
Multiplication and Division		MNU 2.11B	S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS	ALL BGE UNITS	ALL BGE UNITS	Feb S3		S5 AVU		S4-S6	ALL BGE UNITS	S3/N5 Costing	
constructing tables	Types of varibles	MNU 1.21a MTH 2.21a, MTH 3.21a		ALL BGE UNITS FROM S2	ALL BGE UNITS		ALL BGE UNITS			S4 and S5 AVU	S3, S4,5,6	S3-6	ALL BGE UNITS		
	Headings and units														
	Completing tables					S3									
	Mean In table														
Plotting graphs	Bar or line?	MNU 1.21a MNU 2.04a MTH 2.21a, MTH 3.21a	S/SHEETS Feb S2 & Nov S3		ALL BGE UNITS	BREAK EVEN - S3 FEB	ALL BGE UNITS			S2	S3, S4,5,6		ALL BGE UNITS		
	Labes and units		S/SHEETS Feb S2 & Nov S4			BREAK EVEN - S3 FEB									
	Scale and range														
	points /bar														
	line of best fit														
	curves					BREAK EVEN - S3 FEB									
Interpreting graphs	Finding values	MNU 3.08a MTH 4.13a-d MNU 4.21a		ALL BGE UNITS	ALL BGE		ALL BGE		S3-6	ALL			ALL BGE		
	intercepts/extrapolation												S4		

	gradientant												Jan S3	
	comparing graphs				ALL BGE		ALL BGE			S2 - S6	S3, S4,5,6		ALL BGE	
	directly or indirectly proportional			ALL BGE UNITS FROM S2									S4	
	drawing conclusion		S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS	BREAK EVEN - S3 FEB	ALL BGE UNITS		S3-6	S1, S2	S3, S4,5,6		ALL BGE UNITS	
ratios and percentages	basic ratios	MNU 2.07a MNU 3.07a MNU 4.08a	S/SHEETS Feb S2 & Nov S3	BGE UNITS FROM S2 DEC	S3 PS UNIT		S4						S4	
	percentages		S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS		ALL BGE UNITS			S3-S6			ALL BGE UNITS	
	gradient ratio												S3 JAN	
	predictions using ratio			ALL BGE FROM S2			S4						S3 JAN	
handling equations	Equation layout	MTH 3.15a MTH 3.13a MNU 4.03a MTH 4.13a		ALL BGE UNITS FROM S2	S2 BGE		S2 BGE	FEB S3					S2	
	Order of operations			ALL BGE UNITS FROM S2			S3 CCS unit	ALL BGE					Aug S3	
	Rearanging (chaging subject/balancing)			ALL BGE UNITS FROM S2			S3 CCS unit	FEB S3					Aug S3	
	Equations from graphs												AUG S3	
"real life" senarios	large and small numbers	MNU 3.22a MNU 3.10a MNU 3.21c MTH 4.20b MTH 4.21a	S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS		ALL BGE UNITS	Feb S3	All stages			S1-S6	ALL BGE UNITS	
	Precision and accuracy		S/SHEETS Feb S2 & Nov S3	ALL BGE UNITS FROM S2	ALL BGE UNITS		ALL BGE UNITS	Feb S3	Model Making all stages		All Drawings	S1-S6	ALL BGE UNITS	All practical lessons
	unusual values				ALL BGE UNITS		ALL BGE UNITS						ALL BGE UNITS	
	estimation				ALL BGE UNITS		ALL BGE UNITS						ALL BGE UNITS	
	batch data				ALL BGE UNITS		ALL BGE UNITS						ALL BGE UNITS	
	Grid references									S3 - S6				
	mass and weight				S2		S2						S2	All practical lessons
	speed and time.				S2		S2						S2	