GCSE Higher Tier Maths-Numeracy Topics

Number	Algebra	Geometry & Measures	Statistics & Probability
N.01 Calculating	A.01 Using Formulae	G.01 Metric & imperial units	S.01 Reverse averages
N.02 Multiple money calcs in context*	A.02 ***Rearranging Formulae***	G.02 Bearings	S.02 Using grouped frequency tables
N.03 Taxation (inc VAT)	A.03 Simplifying	G.03 Accurate drawing using ruler, compass, protractor	S.03 Mean of grouped data
N.05 Properties of number	A.04 Solving simple equations	G.04 Distance-time / Depth-time graphs	S.04 Cum. Freq & Inter-quartile range
N.06 Directed numbers	A.05 Forming and solving linear equation from context	G.05 Speed	S.05 Box and whisker diagrams
N.07 Standard Form and calculations	A.06 Brackets	G.06 Compound units - density and population density	S.06 Comparing/interpreting two charts
N.08 Trial & Improvement	A.07 Common factors	G.07 Time calculations	S.07 Pie charts
N.09 Estimation & Approximation	A.08 Quadratic factors	G.08 Dimensions of formulae	S.08 Displaying grouped data
N.10 Rounding - Decimal places, significant figures	A.09 ***More complex equations***	G.09 Working with compound units (eg cubic metres per hour, litres per sec)	S.09 Scatter diagrams
N.11 Limits of Accuracy/ Upper & lower bounds	A.10 **Quadratic equations** ***harder types and quadratic formulae***	G.10 Angles in triangles and quadrilaterals	S.10 Using lines of best fit
N.12 Fractions, fract of an amount	A.11 Linear sequences	G.11 Types of quadrilateral	S.11 ***Sampling including Stratified***
N.13 Ordering F, D, %	A.12 ***Special sequences***	G.12 Angles and parallel lines	S.12 Designing questionnaires
N.14 writing a quantity as a % or fract of another	A.13 ***Quadratic sequences***	G.13 Angles in a polygon	S.13 Listing outcomes
N.15 % Increase & Decrease, % of	A.14 ***nth term of quadratic sequence***	G.14 Congruent triangles and proof	S.14 Single event probability
N.16 % change	A.15 Equation of line	G.15 ***Circle theorems***	S.15 Combined events/Profit
N.17 Reverse %	A.16 Finding equation of line	G.16 Circumference and area of circles Arcs and Sectors	S.16 Relative freq/Estimating probability
N.18 Compound %	A.17 ***Parallel and perpendicular lines***	G.17 Pythagoras' theorem in 2D and 3D	S.17 The multiplication rule
N.19 Conversion graphs	A.18 ***Plotting quadratic and cubic graphs***	G.18 **Trigonometry and Further Trig** **Sine and Cosine Rule & area of triangle**	S.18 The addition rule
N.20 Exchange rates	A.19 Trial and improvement	G.19 Constructions	S.19 Tree diagrams
N.21 Ratio	A.20 ***Linear inequalities, inc graphical***	G.20 Loci	S.20 ***Venn diagrams and notation***
N.22 Proportional Quantities	A.21 Simultaneous equations (Algebraic)	G.21 Symmetry	S.21 ***Histograms***
N.23 Prime Factors	A.22 Simultaneous equations (Graphical)	G.22 **Transformations** ***including Enlargement with negative scale factors and in 3D***	S.22 ***Conditional Probability***
N.24 ***Rules of Indices and surds***	A.23 ***Reciprocal and Exponential Functions***	G.23 Tesselation	S.23 Averages & Range
N.25 ***Recurring Decimals***	A.24 ***Trig Functions and their graphs***	G.24 ***Similarity in Area and Volume***	
N.26 ***Growth and Decay***	A.25 ***Proving Identiities***	G.25 Perim & Area of compound shapes	
N.27 ***Direct and Inverse Proportion problems***	A.26 ***Translation and Reflection of Functions***	G.26 ***Prisms/ Volume and surface area***	
N.28 ***Venn Diagrams***	A.27 ***Area under curves Trapezium Rule***	G.27 Isometric drawing	
	A.28 ***Tangents to d-t and v-t graphs***	G.28 2D representation of 3D shapes	
		G.29 Constructing plans and elevations	