

Scope and Sequence Document for:

Year:	8	
Tutor	Ann Humphreys	
Tutor qualifications:	B Sc. (hons) Lancaster, PGCE	
Resources required:	Key Maths book 8/2 revised, (2001), Baker, Hogan, Job and Verity, ISBN 9780748759859, Nelson Thornes; ¹ Geometry set; Scientific calculator.	

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	05/09/22	Graphs CH1 - Construction and interpretation of straight-line graphs
	2	12/09/22	Time, 24 hr clock timetables, distance–time graphs, average speed TMA
2	3	19/09/22	Mental Arithmetic CH2 - Powers and roots TMA
	4	26/09/22	Estimating. Powers and Make your own slide rule
3	5	03/10/22	Statistic CH3 - Pie charts with protractors
	6	10/10/22	Design of questionnaire, Investigation and survey TMA
4	7	17/10/22	Algebra CH4 - Investigation of number patterns leading to algebraic rules inverse operations
	8	24/10/22	Half Term
4	9	31/10/22	Substitution in harder expressions TMA
5	10	07/11/22	Negative numbers CH6 - Directed numbers, ordering, adding subtracting,
	11	14/11/22	Multiplying, dividing negative numbers Substitution in algebraic formulae, extending graphs TMA
6	12	21/11/22	Transformations CH5 - Reflection, translation,
	13	28/11/22	Centres of rotation, rotation and enlargement. Application to patterns, examples locally TMA
9	14	05/12/22	Fractions CH9 - Percentage as a fraction, and of a quantity TMA
7	15	12/12/22	Angles CH7 - Revision of angles. Parallel lines and angles,
	16	19/12/22	Christmas Holiday
	17	26/12/22	Christmas Holiday

¹ Out of print but can be purchased from Amazon as pre-used
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	18	02/01/23	Christmas Holiday
7	19	09/01/23	Angles in a polygon, bearings to and from a point TMA
8	20	16/01/23	Probability CH8 - Revision of probability as a measure of likelihood. Expectation.
	21	23/01/23	Sum of probabilities. Illustrating equally likely outcomes, sample space diagrams. TMA
10	22	30/01/23	Straight Lines CH10 - Patterns of points. Equations of lines, point of intersection
	23	06/02/23	Gradient and intercept forms. Investigation TMA
11	24	13/02/23	Ratio CH11 - Metric units of mass and volume leading to ratio
	25	20/02/23	Half Term
11	26	27/02/23	Proportion. maps and scales TMA
12	27	06/03/23	Area CH12 - Area extended to Trapezium and compound shapes
	28	13/03/23	Enlargement extended to area. Scale factors of length and area TMA
13	29	20/03/23	Volume CH14 - Estimating volume/capacity of familiar objects. Extension to counting layers in a stack
	30	27/03/23	Volume of prisms. Practical packing of cuboids etc. TMA
	31	03/04/23	Easter Holiday
	32	10/04/23	Easter Holiday
	33	17/04/23	Easter Holiday
14	34	24/04/23	Statistics2 CH13 - Revision of averages, which to use. Data which is continuous and rounded off by measurement. Grouping data Stem and leaf diagrams
	35	01/05/23	Frequency polygons stem and leaf diagrams used to compare data and interpolate data. TMA
	36	08/05/23	Revision
	37	15/05/23	Exam Year 8
15	38	22/05/23	Algebra2 CH15 - Trial and improvement methods applied to linear and quadratic equations. Use of spreadsheet
	39	29/05/23	Half Term
15	40	05/06/23	Graphical representation of inequalities, open / closed intervals
	41	12/06/23	Solving linear inequalities. TMA
16	42	19/06/23	Graphs2 CH16 - Intersection of lines defined by equations, found graphically. Extensions to linear equations in general form.
	43	26/06/23	Problems leading to simultaneous equations solved graphically TMA