

Scope and Sequence Document for: Mathematics 7

Year:	7	
Tutor	Ann Humphreys	
Tutor qualifications:	B Sc (hons) (Lancaster), PGCE	
Resources required:	Key Maths 7/2 revised, (2000), Baker, Bland, Hogan and Holt, ISBN 9780748755257, Nelson Thornes; ¹ Mathematical instruments; Scientific calculator	

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	06/09/21	Statistics CH1 – tally charts, bar charts, pictograms; simple fractions of a circle leading to pie charts. Grouped data in bar charts
	2	13/09/21	Coordinates of the first quadrant; scatter diagrams; recognise simple correlation. TMA
2	3	20/09/21	Statistics - Student survey and report TMA
3	4	27/09/21	Symmetry CH2 – mirror symmetry, examples in everyday life. Mirror lines at 45°
	5	04/10/21	Fractions of a rotation, clockwise and anti-clockwise rotation; rotational symmetry TMA
4	6	11/10/21	Shape and Construction CH5 – geometry of polygons and circles
	7	18/10/21	Using compasses; congruent shapes TMA
	8	25/10/21	Half Term
5	9	01/11/21	Number patterns CH3 & 4 – factors, prime numbers, simple HCF, sequences, square, triangle numbers. Multiples and powers
	10	08/11/21	Compound operations on numbers, rounding off numbers, mental arithmetic. TMA

¹ Out of print but can be purchased from Amazon as pre-used
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7	11	15/11/21	3D work CH7 – representing 3D solids on plain paper, squared paper and isometric paper. Naming and describing and creating models of solids
	12	22/11/21	Reinforcing the use of compass and measurement TMA
8	13	29/11/21	Probability CH8 – likelihood of events; probability estimation; relative frequency
	14	06/12/21	Games; equal likelihood and what is certainty TMA
6	15	13/12/21	Decimals, Estimation and Calculators CH4 & 6 – order of operations, recognition of errors in calculations
	16	20/12/21	Christmas Holiday
	17	27/12/21	Christmas Holiday
	18	03/01/22	Christmas Holiday
6	19	10/01/22	Development of decimal fractions. Addition, multiplication and division by whole numbers up to 10
	20	17/01/22	Decimals in problems; recurring decimals; terminating decimals TMA
9	21	24/01/22	Algebra CH9 – use of symbols to represent variables and relationships; two stage formula
	22	31/01/22	Collecting terms; substitution in simple formula TMA
10	23	07/02/22	Negative numbers CH11 – introduction to; application to coordinates
	24	14/02/22	Half Term
10	25	21/02/22	Graphs leading to multiplication and division of negative numbers TMA
11	26	28/02/22	Angles CH10 – use of protractor; calculation of angles at a point and on a straight line
	27	07/03/22	Construction of triangles from data including isosceles and equilateral triangles TMA
13	28	14/03/22	More algebra CH13 – inverse operations; order of operations
	29	21/03/22	Solutions of equations TMA
12	30	28/03/22	Length and Scale drawings CH12 – Metric and imperial lengths; scale drawings; equivalents
	31	04/04/22	Easter Holiday
	32	11/04/22	Easter Holiday

	33	18/04/22	Easter Holiday
12	34	25/04/22	Reading maps and plans; scales; 3D modelling TMA
	35	02/05/22	REVISION
	36	09/05/22	Exam Year 7
14	37	16/05/22	Area and Perimeter CH14 – by counting squares; by calculation; units of area; areas of triangles and parallelograms
	38	23/05/22	Areas of compound shapes TMA
	39	30/05/22	Half Term
15	40	06/06/22	Fractions CH15 – Introduction; using a calculator
	41	13/06/22	Fractions of quantities; relationship between fractions, decimals and percentages TMA
16	42	20/06/22	Statistics CH16 – averages; mean; mode; median; frequency tables
	43	27/06/22	Range as a measure of spread. TMA