

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	05/09/22	Statistics CH1 – tally charts, bar charts, pictograms; simple fractions of a circle leading to pie charts. Grouped data in bar charts
	2	12/09/22	Coordinates of the first quadrant; scatter diagrams; recognise simple correlation. TMA
2	3	19/09/22	Statistics - Student survey and report TMA
3	4	26/09/22	Symmetry CH2 – mirror symmetry, examples in everyday life. Mirror lines at 45°
	5	03/10/22	Fractions of a rotation, clockwise and anti-clockwise rotation; rotational symmetry TMA
4	6	10/10/22	Shape and Construction CH5 – geometry of polygons and circles
	7	17/10/22	Using compasses; congruent shapes TMA
	8	24/10/22	Half Term
5	9	31/10/22	Number patterns CH3 & 4 – factors, prime numbers, simple HCF, sequences, square, triangle numbers. Multiples and powers
	10	07/11/22	Compound operations on numbers, rounding off numbers, mental arithmetic. TMA
7	11	14/11/22	3D work CH7 – representing 3D solids on plain paper, squared paper and isometric paper. Naming and describing and creating models of solids
	12	21/11/22	Reinforcing the use of compass and measurement TMA
8	13	28/11/22	Probability CH8 – likelihood of events; probability estimation; relative frequency
	14	05/12/22	Games; equal likelihood and what is certainty TMA
6	15	12/12/22	Decimals, Estimation and Calculators CH4 & 6 – order of operations, recognition of errors in calculations
	16	19/12/22	Christmas Holiday

¹ Out of print but can be purchased from Amazon as pre-used
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	17	26/12/22	Christmas Holiday
	18	02/01/23	Christmas Holiday
6	19	09/01/23	Development of decimal fractions. Addition, multiplication and division by whole numbers up to 10
	20	16/01/23	Decimals in problems; recurring decimals; terminating decimals TMA
9	21	23/01/23	Algebra CH9 – use of symbols to represent variables and relationships; two stage formula
	22	30/01/23	Collecting terms; substitution in simple formula TMA
10	23	06/02/23	Negative numbers CH11 – introduction to; application to coordinates
	24	13/02/23	Graphs leading to multiplication and division of negative numbers TMA
	25	20/02/23	Half Term
11	26	27/02/23	Angles CH10 – use of protractor; calculation of angles at a point and on a straight line
	27	06/03/23	Construction of triangles from data including isosceles and equilateral triangles TMA
13	28	13/03/23	More algebra CH13 – inverse operations; order of operations
	29	20/03/23	Solutions of equations TMA
12	30	27/03/23	Length and Scale drawings CH12 – Metric and imperial lengths; scale drawings; equivalents
	31	03/04/23	Easter Holiday
	32	10/04/23	Easter Holiday
	33	17/04/23	Easter Holiday
12	34	24/04/23	Reading maps and plans; scales; 3D modelling TMA
	35	01/05/23	REVISION
	36	08/05/23	Exam Year 7
14	37	15/05/23	Area and Perimeter CH14 – by counting squares; by calculation; units of area; areas of triangles and parallelograms
	38	22/05/23	Areas of compound shapes TMA
	39	29/05/23	Half Term
15	40	05/06/23	Fractions CH15 – Introduction; using a calculator
	41	12/06/23	Fractions of quantities; relationship between fractions, decimals and percentages TMA
16	42	19/06/23	Statistics CH16 – averages; mean; mode; median; frequency tables
	43	26/06/23	Range as a measure of spread. TMA