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; Mathematical instruments; Scientific calculator	

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	07/09/20	**Statistics CH1** – tally charts, bar charts, pictograms; simple fractions of a circle leading to pie charts. Grouped data in bar charts
	2	14/09/20	Coordinates of the first quadrant; scatter diagrams; recognise simple correlation. TMA
2	3	21/09/20	**Statistics** - Student survey and report TMA
3	4	28/09/20	**Symmetry CH2** – mirror symmetry, examples in everyday life. Mirror lines at 45º
	5	05/10/20	Fractions of a rotation, clockwise and anti-clockwise rotation; rotational symmetry TMA
4	6	12/10/20	**Shape and Construction CH5** – geometry of polygons and circles
	7	19/10/20	Using compasses; congruent shapes TMA
	8	26/10/20	Half Term
5	9	02/11/20	**Number patterns CH3 & 4**– factors, prime numbers, simple HCF, sequences, square, triangle numbers. Multiples and powers
	10	09/11/20	Compound operations on numbers, rounding off numbers, mental arithmetic. TMA
7	11	16/11/20	**3D work CH7** – representing 3D solids on plain paper, squared paper and isometric paper. Naming and describing and creating models of solids
	12	23/11/20	Reinforcing the use of compass and measurement TMA
8	13	30/11/20	**Probability CH8** – likelihood of events; probability estimation; relative frequency
	14	07/12/20	Games; equal likelihood and what is certainty TMA

6	15	14/12/20	**Decimals, Estimation and Calculators CH4 & 6** – order of operations, recognition of errors in calculations
	16	21/12/20	Christmas Holiday
	17	28/12/20	Christmas Holiday
	18	04/01/21	Christmas Holiday
6	19	11/01/21	Development of decimal fractions. Addition, multiplication and division by whole numbers up to 10
	20	18/01/21	Decimals in problems; recurring decimals; terminating decimals TMA
9	21	25/01/21	**Algebra CH9** – use of symbols to represent variables and relationships; two stage formula
	22	01/02/21	Collecting terms; substitution in simple formula TMA
10	23	08/02/21	**Negative numbers CH11** – introduction to; application to coordinates
	24	15/02/21	Half Term
10	25	22/02/21	Graphs leading to multiplication and division of negative numbers TMA
11	26	01/03/21	**Angles CH10** – use of protractor; calculation of angles at a point and on a straight line
	27	08/03/21	Construction of triangles from data including isosceles and equilateral triangles TMA
13	28	15/03/21	**More algebra CH13** – inverse operations; order of operations
	29	22/03/21	Solutions of equations TMA
	30	29/03/21	Easter Holiday
	31	05/04/21	Easter Holiday
	32	12/04/21	Easter Holiday
12	30	23/03/20	**Length and Scale drawings CH12** – Metric and imperial lengths; scale drawings; equivalents
	31	30/03/20	Reading maps and plans; scales; 3D modelling TMA
	35	03/05/21	**REVISION**
	36	10/05/21	Exam Year 7
14	37	17/05/21	**Area and Perimeter CH14** – by counting squares; by calculation; units of area; areas of triangles and parallelograms
	38	24/05/21	Areas of compound shapes TMA
	39	31/05/21	Half Term
15	40	07/06/21	**Fractions CH15** – Introduction; using a calculator
	41	14/06/21	Fractions of quantities; relationship between fractions, decimals and percentages TMA
16	42	21/06/21	**Statistics CH16** – averages; mean; mode; median; frequency tables
	43	28/06/21	Range as a measure of spread. TMA