

## Scope and Sequence Document for: Mathematics 7

Year:	7	
Tutor	Ann Humphreys	
Tutor qualifications:	B Sc (Hons) Chemistry, Lancaster PGCE	
Resources required:	Key Maths 7/2 revised, (2000), Baker, Bland, Hogan and Holt, ISBN 9780748755257, Nelson Thornes; <sup>1</sup> Mathematical instruments; Calculator with <b>x<sup>y</sup></b> key.	

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
<b>1</b>	1	03/09/18	<b>Statistics CH1</b> – tally charts, bar charts, pictograms; simple fractions of a circle leading to pie charts. Grouped data in bar charts
	2	10/09/18	Coordinates of the first quadrant; scatter diagrams; recognise simple correlation. <span style="float: right;">TMA</span>
<b>2</b>	3	17/09/18	<b>Statistics</b> - Student survey and report <span style="float: right;">TMA</span>
<b>3</b>	4	24/09/18	<b>Symmetry CH2</b> – mirror symmetry, examples in everyday life. Mirror lines at 45°
	5	01/10/18	Fractions of a rotation, clockwise and anti-clockwise rotation; rotational symmetry <span style="float: right;">TMA</span>
<b>4</b>	6	08/10/18	<b>Shape and Construction CH5</b> – geometry of polygons and circles
	7	15/10/18	Using compasses; congruent shapes <span style="float: right;">TMA</span>
	8	22/10/18	Half Term
<b>5</b>	9	29/10/18	<b>Number patterns CH3 &amp; 4</b> – factors, prime numbers, simple HCF, sequences, square, triangle numbers. Multiples and powers
	10	05/11/18	Compound operations on numbers, rounding off numbers, mental arithmetic. <span style="float: right;">TMA</span>
<b>7</b>	11	12/11/18	<b>3D work CH7</b> – representing 3D solids on plain paper, squared paper and isometric paper. Naming and describing and creating models of solids
	12	19/11/18	Reinforcing the use of compass and measurement <span style="float: right;">TMA</span>
<b>8</b>	13	26/11/18	<b>Probability CH8</b> – likelihood of events; probability estimation; relative frequency
	14	03/12/18	Games; equal likelihood and what is certainty <span style="float: right;">TMA</span>
<b>6</b>	15	10/12/18	<b>Decimals, Estimation and Calculators CH4 &amp; 6</b> – order of operations, recognition of errors in calculations

<sup>1</sup> Out of print but can be purchased from Amazon as pre-used  
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	16	17/12/18	Christmas Holiday
	17	24/12/18	Christmas Holiday
	18	31/12/18	Christmas Holiday
<b>6</b>	19	07/01/19	Development of decimal fractions. Addition, multiplication and division by whole numbers up to 10
	20	14/01/19	Decimals in problems; recurring decimals; terminating decimals TMA
<b>9</b>	21	21/01/19	<b>Algebra CH9</b> – use of symbols to represent variables and relationships; two stage formula
	22	28/01/19	Collecting terms; substitution in simple formula TMA
<b>10</b>	23	04/02/19	<b>Negative numbers CH11</b> – introduction to; application to coordinates
	24	11/02/19	Half Term
<b>10</b>	25	18/02/19	Graphs leading to multiplication and division of negative numbers TMA
<b>11</b>	26	25/02/19	<b>Angles CH10</b> – use of protractor; calculation of angles at a point and on a straight line
	27	04/03/19	Construction of triangles from data including isosceles and equilateral triangles TMA
<b>13</b>	28	11/03/19	<b>More algebra CH13</b> – inverse operations; order of operations
	29	18/03/19	Solutions of equations TMA
<b>12</b>	30	25/03/19	<b>Length and Scale drawings CH12</b> – Metric and imperial lengths; scale drawings; equivalents
	31	01/04/19	Reading maps and plans; scales; 3D modelling TMA
	32	08/04/19	Easter Holiday
	33	15/04/19	Easter Holiday
	34	22/04/19	Easter Holiday
	35	29/04/19	<b>REVISION</b>
	36	06/05/19	Exam Year 7
<b>14</b>	37	13/05/19	<b>Area and Perimeter CH14</b> – by counting squares; by calculation; units of area; areas of triangles and parallelograms
	38	20/05/19	Areas of compound shapes TMA
	39	27/05/19	Half Term
<b>15</b>	40	03/06/19	<b>Fractions CH15</b> – Introduction; using a calculator
	41	10/06/19	Fractions of quantities; relationship between fractions, decimals and percentages TMA
<b>16</b>	42	17/06/19	<b>Statistics CH16</b> – averages; mean; mode; median; frequency tables
	43	24/06/19	Range as a measure of spread. TMA