

## Scope and Sequence Document for: Mathematics 7

Year:	7	
Tutor:	Lucy Sykes	
Tutor qualifications:	B.Sc. (Hons) Mathematics, Durham PGCE	
Resources required:	Mathematical instruments. Scientific calculator.	

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1 & 2	1	04/09/23	Introduction 2D Shapes
3 & 4	2	11/09/23	Factorisation Using Scientific Calculators
5 & 6	3	18/09/23	Tessellation with Shapes Properties of Triangles
7 & 8	4	25/09/23	Describing Quadrilaterals 3D Shapes and Prisms
9 & 10	5	02/10/23	Writing numbers using words and digits Comparing the size of numbers
11 & 12	6	09/10/23	Reading and writing numbers on a scale Multiplying a number by a power of 10
13 & 14	7	16/10/23	Dividing a number by a power of 10 Alternative Number Systems
	8	23/10/23	Half Term
15 & 16	9	30/10/23	Alternative Number Systems Finding Prime Factors
17 & 18	10	06/11/23	Finding Prime Numbers Multiples of Numbers and Expressions
19 & 20	11	13/11/23	Factor Pairs of Number and Terms Square Numbers and Square Roots
21 & 22	12	20/11/23	Drawing Stem and Leaf Diagrams Calculate the Mean Average
23 & 24	13	27/11/23	Mean Average and Range Comparing Stem and Leaf Diagrams
25 & 26	14	04/12/2023	Averages using the Median and Mode Multiplying and Dividing with Algebra
27 & 28	15	11/12/2023	Writing Expressions using Diagrams Writing Expressions using Keywords
	16	18/12/2023	Christmas Holiday
	17	25/12/2023	Christmas Holiday
	18	01/01/2024	Christmas Holiday
29 & 30	19	08/01/2024	Substituting Numbers into expressions Simplifying Expressions by Collecting Like Terms
31 & 32	20	15/01/2024	Solving an Equation with Function Machines Multiplication Problems
33 & 34	21	22/01/2024	Rounding Decimal Numbers Subtraction with Decimal Numbers

35 & 36	22	29/01/2024	Multiplying Decimal numbers using the Grid Method Division with Decimal Numbers
37 & 38	23	05/02/2024	Multiplication with Decimal Numbers Addition with Decimal Numbers
39 & 40	24	12/02/2024	Dividing with Negative Numbers Multiplying with Negative Numbers
	25	19/02/2024	Half Term
41 & 42	26	26/02/2024	Subtraction with Negative Numbers Comparing + with - numbers
43 & 44	27	04/03/2024	Addition with Negative Numbers Volumes of Cubes and Cuboids
45 & 46	28	11/03/2024	Perimeter of Complex Shapes Area of Composite Shapes
47 & 48	29	18/03/2024	Finding the area of a Triangle Finding the area of a Rectangle
49 & 50	30	25/03/2024	Subtracting Fractions using a Fraction Wall Adding Factors using a Fraction Wall
	31	01/04/2024	Easter Holiday
	32	08/04/2024	Easter Holiday
	33	15/04/2024	Easter Holiday
51 & 52	34	22/04/2024	Introducing Mixed Numbers Calculating Fractions of an Amount
53 & 54	35	29/04/2024	Introduction to writing equivalent fractions Comparing fractions with different denominators
55 & 56	36	06/05/2024	Plotting sequences on a grid Finding the nth term of a sequence
57 & 58	37	13/05/2024	Describing Number Patterns Describing Picture Sequences
59 & 60	38	20/05/2024	Creating a sequence using formula Converting between fractions, decimals and percentages
	39	27/05/2024	Half Term
61, 62 & 63	40	03/06/2024	Fractions and Decimal Numbers Writing Fractions as Percentages Predicting Outcomes Using Probability
64, 65 & 66	41	10/06/2024	Probability with Fractions Permutations of two events Estimate Probabilities from Experimental Data
67, 68 & 69	42	17/06/2024	Comparing the probability of events Introducing angles in a quadrilateral Measuring and Naming Angles
70, 71 & 72	43	24/06/2024	Introducing angles on a straight line Introducing angles on a triangle Vertically opposite angles around a point