

## Scope and Sequence Document for: Mathematics 9

Year:	9	
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	Long Division Add & Subtract with Fractions and Mixed Numbers
3 & 4	2	11/09/23	Using a Calculator Efficiently Recurring Decimals
5 & 6	3	18/09/23	Multiplying Fractions Dividing Fractions and mixed Numbers
7 & 8	4	25/09/23	Adding Fractions with different denominators Long Multiplication
9 & 10	5	02/10/23	Using the Range Stem and Leaf Diagrams
11 & 12	6	09/10/23	Mean Average from Grouped Data Mean Average from a Frequency Table
13 & 14	7	16/10/23	Area of Parallelograms and Trapezia Circumference of Circle Problems
	8	23/10/23	Half Term
15 & 16	9	30/10/23	Circumference of Circles Area of Circles Problems
17 & 18	10	06/11/23	Areas of Circles Nets of Solids
19 & 20	11	13/11/23	Isometric Drawings Elevation Drawings
21 & 22	12	20/11/23	Expanding Algebraic Expressions Factorising Expressions with Powers
23 & 24	13	27/11/23	Expanding Cubic Expressions Factorising Quadratics $ax^2 + bx + c$
25 & 26	14	04/12/2023	Factorising Quadratics Factorising Expressions
27 & 28	15	11/12/2023	Expanding Quadratics 3 Part Ratios
	16	18/12/2023	Christmas Holiday
	17	25/12/2023	Christmas Holiday
	18	01/01/2024	Christmas Holiday
29 & 30	19	08/01/2024	Proportion and Recipes Simplifying Ratios
31 & 32	20	15/01/2024	Sharing to a Ratio Proportional Reasoning
33 & 34	21	22/01/2024	Plotting Straight Line Graphs Finding the Equation of Straight Line Graphs

35 & 36	22	29/01/2024	Gradient of Perpendicular Lines Gradient of Parallel Lines
37 & 38	23	05/02/2024	Gradient of Straight Line Graphs Plotting Straight Lines from Two Points
39 & 40	24	12/02/2024	Box and Whisker Diagrams Plotting Time Series
	25	19/02/2024	Half Term
41 & 42	26	26/02/2024	Drawing Pie Charts Interpreting Pie Charts
43 & 44	27	04/03/2024	Interpreting Histograms Drawing Histograms
45 & 46	28	11/03/2024	Frequency Diagrams and Polygons Cumulative Frequency Graphs
47 & 48	29	18/03/2024	Stem & Leaf Diagrams Problems with Angles in Parallel Lines
49 & 50	30	25/03/2024	Angles in Parallel Lines Angles in Quadrilateral
	31	01/04/2024	Easter Holiday
	32	08/04/2024	Easter Holiday
	33	15/04/2024	Easter Holiday
51 & 52	34	22/04/2024	Angles in a Triangle Bearings and Scale Drawings
53 & 54	35	29/04/2024	Constructing Regular Polygons Interior and Exterior Angles
55 & 56	36	06/05/2024	Frequency Trees Quantitative and Qualitative Types of Data
57 & 58	37	13/05/2024	Two-way Tables Stratified Sampling
59 & 60	38	20/05/2024	Designing Questionnaires Simultaneous Equations by Substitution
	39	27/05/2024	Half Term
61, 62 & 63	40	03/06/2024	Complex Linear Equations Solving Simultaneous Equations Problems with Simultaneous Equations
64, 65 & 66	41	10/06/2024	Solving Simultaneous Equations Graphically Equations with Fractions Equations with the Unknown on Both Sides
67, 68 & 69	42	17/06/2024	Solving Equations Pythagoras' Theorem in 3D Pythagoras' Theorem - Finding the Hypotenuse
70, 71 & 72	43	24/06/2024	Pythagoras' Theorem - Shorter Sides Introducing Pythagoras' Theorem General Revision