

Scope and Sequence Document for: IGCSE Mathematics

Tutor	Lucy Sykes		
Tutor qualifications:	B.Sc. (Hons) Mathematics, Durham PGCE	<u>Exams</u> Y10 – week 38 2021 Y11 – week 23 2022	IGCSE Mathematics CAiE 0580
Resources required:	Scientific Calculator – ideally Casio fx83 or better		

*A = Assignment due before next lesson

Note: All Lesson Tests must be completed as part of the lesson prep. Tests are auto-marking with instant feedback. Written tests should be completed and self-marked using the markscheme available on the portal.

Lesson No.	NSW week No.	Week beginning Monday the:	Contents of study
1 & 2	1	04/09/23	Types of number & Factors, multiples and directed numbers
3 & 4	2	11/09/23	Rounding, Estimating and Approximating & Limits of Accuracy
5 & 6	3	18/09/23	Set Notation and Venn Diagrams & Expanding Brackets
7 & 8	4	25/09/23	Factorising, Substituting and Re-arranging & Coordinates and Gradients of Lines
9 & 10	5	02/10/23	Equation of a Straight Line & Parallel and Perpendicular Lines
11 & R1	6	09/10/23	Length and mid-point of a line & Revision Lesson 1
A1			Practice Test 1 due by 20th October 2023
12 & 13	7	16/10/23	Geometrical Terms & Geometrical Constructions
	8	23/10/23	Half Term
T1 & 14	9	30/10/23	Test Corrections & Angles
15 & 16	10	06/11/23	Using a Calculator & Calculations with Fractions
17 & 18	11	13/11/23	Calculations with Decimals & Fractions, Decimals and Percentages Conversion
19 & 20	12	20/11/23	Percentages & Reverse Percentages
21 & 22	13	27/11/23	Simple and Compound Interest & Time and Money
A2			Practice Test 2 due by 15th December 2023
R2 & 23	14	04/12/2023	Revision Lesson 2 & Form and Solve Linear Equations
24 & 25	15	11/12/2023	Represent, Interpret and Solve Linear Inequalities & Graphical Inequalities
	16	18/12/2023	Christmas Holiday
	17	25/12/2023	Christmas Holiday
	18	01/01/2024	Christmas Holiday
T2 & 26	19	08/01/2024	Test Corrections & Solve Linear Simultaneous Equations
27 & 28	20	15/01/2024	Graphical Simultaneous Equations & Calculate Averages from Lists
29 & 30	21	22/01/2024	Calculate Averages from Tables & Statistical Charts and Diagrams

31 & 32	22	29/01/2024	Stem-and-Leaf Diagrams and Quartiles & Cumulative Frequency Graphs
33 & 34	23	05/02/2024	Scatter Diagrams & Histograms
A3			Practice Test 3 due by 16th February 2024
R3 & 35	24	12/02/2024	Revision Lesson 3 & Units of Measure
	25	19/02/2024	Half Term
T3 & 36	26	26/02/2024	Test Corrections & Area and perimeter
37 & 38	27	04/03/2024	Circles, Arcs and Sectors & Surface Area
39 & 40	28	11/03/2024	Volume & Indices
41 & 42	29	18/03/2024	Index Laws & Standard Form Numbers
43 & 44	30	25/03/2024	Standard Form Calculations & Surds 1
	31	01/04/2024	Easter Holiday
	32	08/04/2024	Easter Holiday
	33	15/04/2024	Easter Holiday
A4			Practice Test 4 due by 3rd May 2024
45 & R4	34	22/04/2024	Surds 2 & Revision Lesson 4
46 & 47	35	29/04/2024	Pythagoras' Theorem & Trigonometry in Right-Angled Triangles 1
T4 & 48	36	06/05/2024	Trigonometry in Right-Angled Triangles 2 & Test Corrections
49 & 50	37	13/05/2024	Exact Trig Values & Trigonometric Graphs
51 & 52	38	20/05/2024	Solving Trig Equations & Sine Rule and Area of a Triangle
	39	27/05/2024	Half Term
53 & 54	40	03/06/2024	Cosine Rule & 3D Trigonometry
55 & 56	41	10/06/2024	Sequences 1 & Sequences 2
R5	42	17/06/2024	Revision Lesson 5 & End of year exam
A5			End of year 10 exam due by 21st June 2024
T5	43	24/06/2024	Test Corrections
SUMMER HOLIDAYS 1ST July – 30th August 2024			
57 & 58	1	02/09/2024	Expand triple brackets & Factorise Quadratics 1
59 & 60	2	09/09/2024	Factorise Quadratics 2 & Complete the Square
61 & 62	3	16/09/2024	Factorise Cubics & Manipulate Algebraic Fractions
63 & 64	4	23/09/2024	Simplify Algebraic Fractions & Solve Quadratics 1
65 & 66	5	30/09/2024	Solve Quadratics 2 & Solve Fractional Equations
67 & R6	6	07/10/2024	Solve Harder Simultaneous Equations & Revision Lesson 6

A6			Practice Test 6 due by 25th October 2024
68 & 69	7	14/10/2024	Bearings & Similar Shapes
70 & 71	8	21/10/2024	Symmetry & Circle Theorems 1
	9	28/10/2024	Half Term
T6 & 72	10	04/11/2024	Test Corrections & Circle Theorems 2
73 & 74	11	11/11/2024	Circle Theorems 3 & Rates 1
75 & 76	12	18/11/2024	Rates 2 & Ratio 1
77 & 78	13	25/11/2024	Ratio 2 & Direct Proportion
79 & R7	14	02/12/2024	Inverse Proportion & Revision Lesson 7
A7			Practice Test 7 due by 13th December 2024
80 & 81	15	09/12/2024	Graphs in Practical Situations & Distance-Time and Speed-Time Graphs
	16	16/12/2024	Christmas Holidays
	17	23/12/2024	Christmas Holidays
	18	30/12/2024	Christmas Holidays
T7 & 82	19	06/01/2025	Test Corrections & Transformations
83 & 84	20	13/01/2025	Vectors 1 & Vectors 2
85 & 86	21	20/01/2025	Vector Geometry & Graphs of Functions
87 & 88	22	27/01/2025	Solve Equations Graphically & Sketch Graphs
R8 & R9	23	03/02/2025	Revision Lessons 8 and 9
	24	10/02/2025	MOCK EXAMS
A8			Mock Exam due by 14th February 2024
	25	17/02/2025	Half Term
T8 & 89	26	24/02/2025	Test Corrections & Differentiation 1
90 & 91	27	03/03/2025	Differentiation 2 & Functions 1
92 & 93	28	10/03/2025	Functions 2 & Intro to Probability
94 & 95	29	17/03/2025	Relative and Expected Frequencies & Probability Diagrams 1
96 & R10	30	24/03/2025	Probability Diagrams 2 & Revision Lesson 10
	31	31/03/2025	Easter Holidays
	32	07/04/2025	Easter Holidays
	33	14/04/2025	Easter Holidays
	34	21/04/2025	Revision & Practice Papers
	35	28/04/2025	Revision & Practice Papers
	36	05/05/2025	Revision & Practice Papers

	37	12/05/2025	Revision & Practice Papers
	38	19/05/2025	Revision & Practice Papers
	39	26/05/2025	Half Term