A LEVEL MATHS

YEAR 7

Week(s)	Topic
1	Calculations and accuracy
2	Calculations and accuracy
3–4	Area and perimeter
5–6	Fractions, decimals and percentages
7–8	Integers, powers and roots
9–10	Simplifying and substituting
11–12	Ratio and proportion
13–14	Lines, angles and shapes
15–16	Fractions, decimals and percentages
17–18	Integers, powers and roots
19–20	Forming and solving equations
21	Calculations and accuracy
22–23	Ratio and proportion
24–25	Area and perimeter
26	Fractions, decimals and percentages
27–28	Integers, powers and roots
29–30	Sequences, functions and graphs
31–32	Calculations and accuracy
33–34	Lines, angles and shapes
35–36	Simplifying and substituting
37–38	Volume and surface area
39	Ratio and proportion
40	Measures

YEAR 8

Week(s)	Topic
1–2	Data - interpreting results
3–4	Area and perimeter
5–6	Fractions, decimals and percentages
7–8	Integers, powers and roots
9–10	Simplifying and substituting
11–12	Ratio and proportion
13–14	Lines, angles and shapes
15–16	Fractions, decimals and percentages
17–18	Integers, powers and roots
19–20	Forming and solving equations
21	Calculations and accuracy
22–23	Ratio and proportion
24–25	Area and perimeter
26	Fractions, decimals and percentages
27–28	Integers, powers and roots
29–30	Sequences, functions and graphs
31–32	Calculations and accuracy
33–34	Pythagoras' theorem
35–36	Simplifying and substituting
37–38	Volume and surface area
39	Ratio and proportion
40	Data - interpreting results

YEAR 9

Week(s)	Topic
1–2	Data - interpreting results
3–4	Area and perimeter
5–6	Fractions, decimals and percentages
7–8	Trigonometry
9–10	Simplifying and substituting
11–12	Ratio and proportion
13–14	Lines, angles and shapes
15–16	Fractions, decimals and percentages
17–18	Integers, powers and roots
19–20	Forming and solving equations
21	Construction and loci
22–23	Ratio and proportion
24–25	Area and perimeter
26	Fractions, decimals and percentages
27–28	Integers, powers and roots
29–30	Sequences, functions and graphs
31–32	Calculations and accuracy
33–34	Pythagoras' theorem
35–36	Simplifying and substituting
37–38	Volume and surface area
39	Probability
40	Transformations

YEAR 10

Week(s)	Topic
1–2	Data - interpreting results
3	Area and perimeter
1–2	Forming and solving equations
3–4	Forming and solving equations
5–6	Pythagoras / Trigonometry
7–8	Simplifying and substituting
9–10	Ratio and proportion
11–12	Lines, angles and shapes
13	Statistics
14–16	Fractions, decimals and percentages
17–18	Sequences, functions and graphs
19–20	Forming and solving equations
21	Construction and loci
22–23	Ratio and proportion
24–25	Transformations
26	Fractions, decimals and percentages
27–28	Integers, powers and roots
29–30	Sequences, functions and graphs
31–32	Calculations and accuracy
33–34	Ratio and proportion
35–36	Simplifying and substituting
37–38	Volume and surface area
39	Probability
40	MOCK EXAM AND RESET FOR YEAR 11 QLA COMPLETED

YEAR 11

Week(s)	Topic
1–5	TEACH TOPICS REQUIRED BASED ON EXAM FEEDBACK
6	COMPLETE EXAM AND NEW QLA
7–11	TEACH TOPICS REQUIRED BASED ON EXAM FEEDBACK
12	COMPLETE EXAM AND NEW QLA
13–17	TEACH TOPICS REQUIRED BASED ON EXAM FEEDBACK
18	COMPLETE EXAM AND NEW QLA
19–24	TEACH TOPICS REQUIRED BASED ON EXAM FEEDBACK
(final)	EXAMS

(Year 11 week headers listed: Week 1 – Week 18, then Week 19, Week 20, Week 21, Week 22, Week 23, Week 24)

YEAR 12

Teacher	Topics (in order across Weeks 1–40)
TEACHER 1 TOPIC	Unit 1 - Algebraic Expressiions, Quadratics, Equations and Inequalities, Graphs and Transformations - Yr 1 Chp 1, 2, 3, 4 • Unit 4 - Trigonometry, Radians, Inverse Trig Functions - Yr 1 Chp 9, Yr 2 - Chp 5 & 6 • Unit 9 - Numerical Methods. Yr 2 - Chp 10 • Unit 10 - Sequences and Series. Yr 2 Chp 3 • Statistics - Data Collection - yr 1 Chp 1 • Statistics - Data Processing, presentation and interpretation. Yr 1 Chp 2, 3 & 4
TEACHER 2 TOPIC	Unit 2 - Straight Line Graphs, circles - Yr 1 - Chp 5 & 6 • Unit 3 - Vectors 2D & Vectors - Yr 1 Chp 11, Yr 2 - Chp 12 • Unit 5 - Differentiation - Chp 12 • Unit 6 - Integration - Yr 1 Chp 13 • Unit 7 - Expotentials and logarithms - Yr 1 Chp 14 • Unit 8 - Differentiation of exponentials and logarithms, product and chain rule and quotient rule - Yr 2 Chp 9 • Mechanics - Kinematics 1 - Yr 1 Chp 9

YEAR 13

Teacher	Topics (in order across Weeks 1–40)
TEACHER 1 TOPIC	Trigonometric Functions (excl inverse trig functions) - Yr 2 Chp 6 • Forces and Newtons Laws of motion AS - • Variable Acceleration AS - Yr 1 Chp 11 • Further Kinematics - Yr 2 Chp 8 • Force and Motion - Yr 1 Chp 10 & Yr 2 Chp 7 • Projectiles • Friction • Moments

TEACHER 2 TOPIC	Functions	Trig Identities	Probability AS	Probability Distribution	Binomial Distribution	Conditional Probability	Hypothesis testing / Normal Distribution	Correlation
TEACHER 3 TOPIC	Differential Equations	Algebra	Differentiation excluding inverse trig functions	Parametric Equations	Integration		Proofs	

A LEVEL FURTHER MATHS

YEAR 12	Week 1–6	Week 7–12	Week 13–18	Week 19–24	Week 25–30	Week 31–40
FURTHER PURE	Complex Numbers (part 1) & Matrices (a, b)	Matrices (c, d) & Complex numbers (part 2)	Series, Algebra and Functions, Proof	Vectors	Calculus	Year 2 Complex numbers
DECISION MATHS	Algorithms and Graph Theory & Algorithms on Graphs 1	Algorithms on Graphs 2 & Linear Programming	Critical Path Analysis & D2 Allocation (Assignment Problems)	Flows in Networks & Game Theory	Recurrance Relations	Transportation Problems

YEAR 13	Week 1–6	Week 7–12	Week 13–18	Week 19–24	Week 25–30	Week 31–40
FURTHER PURE	Further algebra and functions (series) & Hyperbolic Functions	Polar Coordinates	Further calculus (a, b, c)	Further calculus (d, e) & Differential Equations (a)	Differential Equations (b, c)	
DECISION MATHS	Algorithms on Graphs 2 & Linear Programming	Critical Path Analysis	Allocation (Assignment Problems) & Flows in networks	Decision Analysis and Game Theory	Recurrance Relations	

LEVEL 3 MATHEMATICAL STUDIES

YEAR 12 (YEAR 1)	Weeks
Introduction to spreadsheets, Types of Data and Collecting Data	Week 1–3
Numerical Calculations and Percentages	Week 4–7
Fermi Estimation	Week 8–9
Representing data numerically and diagramatically	Week 10–12
Interest Rates	Week 13–14
Equation of a straight line	Week 15–16
Collecting and sampling data	Week 17–18
Critical Path Analysis	Week 19–22
Solution to financial problems	Week 23–26
Perimeter, Circumference and Area	Week 27–29
Pythag and Similarity	Week 30–31
Analyse Critically	Week 32–33
Surface area and Similarity	Week 34–35

YEAR 13 (YEAR 2)	Weeks
Project Work - Personal Finance or Analysis of Data	Week 1–3
Representing data diagramatically and numerically	Week 4–7
Graphical Representation	Week 8–9
Critical path and Risk Analysis - Expectation	Week 10–12
Repayments and Credit	Week 13–14
Taxation and VAT	Week 15–16
Limits of accuracy	Week 17
Critical path and Risk Analysis - Cost benefit analysis	Week 18–20
Taxation: Income tax and National Insurance	Week 21–23
Analyse Critically	Week 24–25
Revision and Examiantion preparation	Week 26–30