

DELTA THREE		
Unit 2: Quadratics		
Textbook Sub-Unit	Sparx Independent Learning Topic & Code	
2.1 Sequences	Position-to-term rules for arithmetic sequences	M991
	Position-to-term rules for quadratic sequences	M418
2.2 Expanding	Expanding double brackets	M960
2.3 Factorising	Factorising into two brackets	M908
	Factorising the difference of two squares	U963
2.4 Solving Quadratic Equations	Factorising to solve quadratic equations $x^2+bx+c=0$	U228

DELTA THREE		
Unit 3: Inequalities, Equations and Formulae		
Textbook Sub-Unit	Sparx Independent Learning Topic & Code	
3.1 Inequalities	Reading and drawing inequalities on number lines	U509
	Solving inequalities with the unknown on both sides	U738
	Solving double inequalities	U145
3.2 Using Index Laws	Simplifying expressions using index laws	U662
	Simplifying algebraic fractions by cancelling common factors	U103
3.3 Solving Equations	Solving equations with the unknown on both sides	U870
3.4 Changing the Subject	Changing the subjects of formulae	U556
3.5 Algebraic Fractions	Adding and subtracting algebraic fractions	U685

DELTA THREE		
Unit 4: Collecting and Analysing Data		
Textbook Sub-Unit	Sparx Independent Learning Topic & Code	
4.1 Data Collection	Types of data	U322
4.2 Presenting and Comparing Data	Drawing stem-and-leaf diagrams	U200
	Interpreting stem-and-leaf diagrams	U909
	Drawing and interpreting frequency polygons	U840
4.3 Estimating Statistics	Finding averages from grouped data	U877
4.4 Box Plots	Drawing box plots	U879
	Interpreting box plots	U837
4.5 Cumulative Frequency Graphs	Drawing cumulative frequency graphs	U182
	Interpreting cumulative frequency graphs	U642
4.6 Histograms	Drawing histograms with unequal class widths	U814
	Interpreting histograms	U983

DELTA THREE**Unit 6: Non-Linear Graphs**

Textbook Sub-Unit	Sparx Independent Learning Topic & Code	
6.1 Graphs of Quadratic Functions	Plotting graphs of quadratic functions	U989
	Interpreting graphs of quadratic functions	U667
6.2 Solving Quadratic Equations	Solving quadratic equations graphically	U601
6.3 Graphs of Cubic Functions	Graphs of cubic functions	U980
6.4 Graphs of Reciprocal Functions	Graphs of reciprocal functions	U593

Unit 8: Graphical Solutions

Textbook Sub-Unit	Sparx Independent Learning Topic & Code	
8.1 Simultaneous Equations	Solving simultaneous equations using elimination	U760
	Solving simultaneous equations using substitution	U757
8.2 Using $y = mx + c$	Interpreting equations of straight line graphs	U669
	Finding the equation of a straight line from two points on the line	U848
	Equations of parallel and perpendicular lines	U898
8.3 More Simultaneous Equations	Constructing and solving linear simultaneous equations	U137
8.4 Graphs and Simultaneous Eqns	Solving simultaneous equations graphically	U836
	Solving simultaneous equations involving quadratics graphically	U875
8.5 Solving Inequalities	Graphs of linear inequalities	U747

DELTA THREE**Unit 9: Trigonometry**

Textbook Sub-Unit	Sparx Independent Learning Topic & Code	
9.1 The Tangent Ratio &	Understanding sin, cos and tan	U605
9.2 The Sine Ratio &	Finding unknown sides in right-angled triangles	U283
9.3 The Cosine Ratio		
9.4 Using Trig to Find Angles	Finding unknown angles in right-angled triangles	U545
9.5 Solving Problems Using Trig	Calculating with trigonometry and bearings	U164
9.6 Trigonometric Graphs	Graphs of trigonometric functions	U450