Maths
Year 10 Higher DC2
Paper 1

Topic	Sparx Code
Finding unknown sides in similar shapes	U578
Multiplying with mixed numbers	U224
Finding the arc length of sectors	U221
Converting between fractions, decimals and percentages	U888
Using standard form with negative indices	U534
Multiplying and dividing numbers in standard form	U264
Tree diagrams for independent events	U558
Finding original values in percentage calculations	U286
Index rules with positive indices, Calculating with roots and powers	U235, U851
Finding the area of circles	U950
Graphs of reciprocal functions	U593
Sharing amounts in a given ratio	U577
Special sequences	U680
Finding the volume of prisms, Estimating calculations	U174, U225
Angles in quadrilaterals, Using ratios	U732,U753,U577,U595
Drawing cumulative frequency graphs	U182
Interpreting cumulative frequency graphs	U642
Simplifying algebraic fractions by factorising into one bracket	U437
Constructing and solving quadratic equations	U150
Solving equations with the variable in the denominator	U505
Factorising the difference of two squares	U963
Converting between recurring decimals and fractions	U689, U550
Angles in triangles, Angles on parallel lines, Alternate segment theorem	U628, U826, U130
Solving simultaneous equations	U757, U760
Solving geometric problems using vectors	U781
Geometric proofs with vectors	U560
Indices of the form a/b, Index rules with positive indices	U772, U235
Substituting into functions, Using the exact values of trigonometric ratios	U637, U627
Equations of circles and tangents, Using Pythagoras' theorem in 2D	U567, U385
Finding the turning point of a quadratic graph by completing the square	U769
Using the exact values of trigonometric ratios	U627

Topic	Sparx Code
Plotting graphs of quadratic functions	U989
Finding error intervals	U657
Calculating with ratios and algebra	U676
Venn diagrams with set notation	U748
Constructing loci	U820
Calculating with speed	U151
Using Pythagoras' theorem, Using ratios, Finding the area of rectangles	U385, U753, U993
Graphs of cubic functions	U980
Types of data	U322
Finding averages from grouped data	U877
Interpreting frequency tables with grouped data	U312
Solving double inequalities	U145
Converting between ratios, fractions and percentages	U176
Experimental probabilities	U580
Finding averages from grouped data, Writing numbers as percentages of other numbers	U877, U925
Using the product rule for counting	U369
Finding and interpreting equations of straight line graphs	U669, U315
Finding the area of triangles, The area rule	U945, U592
Finding error intervals for calculations	U587
Combining ratios, Converting between ratios, fractions and percentages	U921, U176
Finding unknown sides in right-angled triangles, Finding the area of trapeziums	U283, U265
Writing algebraic proofs	U582
Finding the surface area of cones	U523
Expanding brackets with surds	U499
Finding the surface area and volume of similar shapes	U110
Solving quadratic inequalities	U133
Interpreting histograms	U983
Expanding triple brackets	U606
Substituting into functions, Finding inverse functions	U637, U996