



Rise up,
take courage,
and do it.

Year 10

Subject:	GCSE Mathematics – Higher
Exam Board:	Edexcel
Papers:	Paper 1 – Non-calculator Paper 2 – Calculator Paper 3 - Calculator

Revision Topics	SPARX Codes	Revised
Topic - Number		
Multiplying and dividing decimals	U293, U868	-
Fractional indices	U985, U772	
Estimating calculations	U225	
Finding bounds-and error intervals	U657, U587	
Truncation	U108, U301	
Adding and subtracting fractions	U736, U793	
Converting between mixed numbers and improper fractions	U692, U874	
Multiplying and dividing fractions	U475, U544	
Converting between fractions and recurring decimals	U550, U689	
Percentage change	U773, U671, U278	
Reverse percentage	U286	
Compound interest and growth and decay	U332, U998	
Using a calculator	U926	
Using standard form	U330, U534	
Calculating with standard form	U264, U290, U161	
Rationalising denominators	U707, U281	

Revision Topics	SPARX Codes	Revised
Topic - Algebra		
Expanding brackets	U179, U768, U606	
Factorising quadratic expressions	U178, U858, U963	
Factorising to solve quadratic equations	U228, U960, U150	
Changing the subject	U675, U181, U191	
Constructing and solving linear equations	U599	
Solving linear and quadratic simultaneous equations	U760, U757, U547	
Quadratic sequences	U206	
Equations of straight-line graphs	U315, U669, U477, U848	
Equations of parallel and perpendicular lines	U377, U898	
Plotting and interpreting graphs of quadratic functions	U989, U667	
Real-life graphs	U652, U862, U896, U681	
Velocity-time graphs	U937, U562, U611	
Simplifying expressions using index laws	U662	
Operations with algebraic fractions	U685, U457, U824	
Finding composite functions	U448	
Finding inverse functions	U996	
Sketching quadratic graphs	U310, U769	
Transforming graphs	U598, U487, U455	
Estimating areas under non-linear graphs	U882	
Equations of circles and tangents	U567, U758	

Revision Topics	SPARX Codes	Revised
Topic – Ratio and Proportion		
Calculating with speed	U151	
Calculating with density and pressure	U910, U527, U842	
Sharing amounts in a given ratio	U577, U595	
Direct proportion	U721, U640, U407	
Currency conversion	U610	
Graphs of direct and inverse proportion	U238	

Revision Topics	SPARX Codes	Revised
Topic - Geometry		
Finding the area and perimeter of simple shapes	U945, U424, U265, U993	
Angle rules	U390, U730, U628, U732, U329, U655	
Surface area of cylinders, cones and spheres	U464, U523, U893, U771	
Finding the volume of cuboids, prisms and pyramids	U786, U174, U484	
Finding the volume of cylinders, cones and spheres	U915, U116, U617, U426	
Trigonometry in right angled triangles	U283, U545, U319, U967, U164	
Transformations	U196, U799, U696, U519, U134, U766	
Constructions	U187, U787, U245, U979	
Geometric proofs with angle facts	U471, U887, U560	
Angles on parallel lines	U826	
Angles in polygons	U427	
Trigonometry and Pythagoras in 3D shapes	U170, U541	
The sine, cosine and area rule	U952, U591, U592	
Similarity	U551, U578, U630, U110	
Finding the arc length and area of sectors	U221, U373	
Circle theorems	U459, U251, U489, U130, U808	
Pythagoras' theorem in 2D	U385, U828	
Vector problems	U781, U660	

Revision Topics	SPARX Codes	Revised
Topic - Probability		
Probabilities of mutually exclusive events	U683	
Venn diagrams	U476, U699	
Using set notation	U296, U748	
Tree diagrams	U558, U729	
Relative frequency	U166	
Using the product rule for counting	U369	

Revision Topics	SPARX Codes	Revised
Topic - Statistics		
Cumulative frequency	U182, U642	
Box plots	U879, U837, U507	
Capture-recapture	U328	
Scatter graphs	U199, U277, U128	
Stem and leaf diagrams	U200, U909	
Histograms	U185, U814, U983, U267	
Frequency polygons	U840	-