Mathematics Mock Revision Lists – January 2025

<u>The best way to revise maths is little and often. Practise a little bit every day and you will be more successful than if you do a large chunk in one go.</u>

Foundation

Topic	Sparx codes
Number and Proportion	
Ordering integers and decimals	U435
Rounding	U888
Decimal calculations	U478,U293,U868
Factors and multiples	U211
Calculations with negative numbers	U947
Fractions	U679
Fractions, decimals and percentages	U888
Percentages	U554, U349
Prime factors	U739
Estimation	U225
Compound measures: speed, density and pressure	U910
Time	U902
Using a calculator	U926
Ratio	U687, U753
Standard form	U330, U534
Index laws	U235, U694
Error Intervals	U657
Worded inverse proportion	U357
Algebra	
Simplifying expressions	U105
Expanding and factorising brackets	U179, U365
Solving equations	U325
Inequalities (Listing, solving and number lines)	U509, U759
Forming expressions and formulae	U599
Coordinates	U789
Linear graphs	U741
Linear sequences	U498
Distance-time graphs	U403
Quadratic graphs	U989
Geometry and Measures	
Angle facts including measuring	U447
Parts of a circle	U767
Perimeter and area	U993
Surface area and volume	U929
Trigonometry	U605
Rotation, reflection, translation	U696, U799, U196
Common metric conversions	U388
Conversion graphs	U610
Speed Distance Time	U462
Bearings	U164
Statistics and Probability	
Averages	U526, U456, U260, U291
Reverse mean	U291
Spread	U526
Pie charts	U508
Probability (scales and fractions)	U408
Sets	U296
Statistical graphs	U590, U193, U199
Totals from frequency tables	U569
Frequency trees	U280

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Higher

Topic	Sparx codes
Number and Proportion	
Decimal calculations	U478,U293,U868
Prime factors including HCF and LCM	U751, U529
Fractions	U679
Using a calculator	U926
Rounding, error intervals and bounds	U657, U587
Ratio	U687, U753
Percentages	U554, U349
Compound measures: speed, density and pressure	U910
Surds	U663, U338
Indices	U985
Worded inverse proportion	U357
Recurring decimals to fractions	U550
Algebra	
Forming and solving equations	U599
Substitution	U201
Rearranging formulae	U675
Inequalities	U759, U738
Expanding triple brackets	U606
Factorising quadratics including the difference of two squares	U963
Direct and inverse proportion	U238
Linear graphs	U741
Quadratic graphs including solutions and roots	U769
Simultaneous equations	U760
Algebraic fractions including solving	U103
Linear and quadratic sequences	U978, U206
Quadratic inequalities	U133
Functions, composite and inverse functions	U488, U996
Iteration	U434
Translating and reflecting graphs	U598, U487
Gradient of a tangent to a curve	U477
Geometry and Measures	
Area of 2D shapes	U993
Area of sectors	U373
Angles in parallel lines	U826
Similarity and congruence	U790
Pythagoras' Theorem	U385
Trigonometry, in right-angled and non-right-angled triangles	U283, U545
Circumference and area of a circle	U604, U950
Circle theorems	U459, U251, U489, U130, U808, U807
Interior and exterior angles in polygons	U427
Surface area and volume	U142
Vectors	U632
Negative enlargement	U134
Statistics and Probability	
Scatter graphs and correlation	U199
Product rule for counting	U369
Boxplots	U879
Sets, set notation and Venn diagrams	U748
Frequency polygons and histograms	U840, U814
Probability	U803,U408,U510,U683,U166,U104,U476,U748,U296,U280,U558,