MATHS TOPIC LIST PAPER 2 HIGHER

This list is to be used as a guide for your revision. It is not an exhaustive list of every topic, but a carefully tailored one to support you to focus your revision.

What came up in Paper 1?

Unlikely to appear again

- Expanding single brackets
- Factorising
- Speed
- Scatter graphs
- Area rectangle, area circle
- Equation of a line
- Reverse %, % profit
- Box plot
- Column vectors
- Product rule
- Solve including fractions
- Complete the square/turning points
- Probability tree
- Laws of indices
- Congruent shapes
- Graphical transformations
- Rationalise the denominator
- Solve quadratics
- Sine Rule
- Surds

Extremely Likely

Common topics left after Paper 1

- Algebraic fractions
- Simultaneous equations
- HCF and LCM
- Angle facts
- Graphs (quadratics, cubic, circle, gradient of a curve, area under a curve)
- Error intervals and bounds
- Algebra (expanding three brackets)
- Transformations
- Circles, including sectors
- Volume
- Cumulative frequency, histograms
- Probability (including algebra, Venn diagrams)
- Percentages (increase/decrease, reverse percentages, percentage change)
- Quadratics (expanding, factorising, sequences)
- Proportion (including algebra)
- Circle Theorems
- Iteration
- Functions
- Ratio

Likely

Other common topics

- Area – including problem solving questions and surface area
- Pythagoras' Theorem
- Trigonometry (area of a triangle, cosine rule, 3D)
- Compound measures (Density, Pressure)
- Standard Form – calculations and conversions
- Inequalities (number lines, solving, shading regions)
- Algebraic proof
- Angles in parallel lines