MATHS TOPIC LIST PAPER 1 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.

Extremely Likely	• Fractions (+, -, x, ÷) – likely to be embedded within other topics • Decimals (+, -, x, ÷) – likely to be embedded within other topics • Percentages and percentage calculations • Algebra (simplifying, expanding, factorising, solving, rearranging) • Forming and solving equations
Topics which will normally be Non-Calculator	• Ratio • Surds • Proportion (including algebraic) • Index Laws • Negative and Fractional indices • Exact trigonometric values • Recurring decimals

Also Likely	• Algebraic fractions • Simultaneous equations • HCF and LCM • Angle facts • Plotting graphs • Error intervals • Bounds • Transformations • Circles, including sectors • Volume • Cumulative frequency and box plots • Probability (including probability trees)
Really common topics across all 3 papers	

Possible	• Area – including problem solving questions • Pythagoras' Theorem • Trigonometry • Statistical diagrams (scatter graphs, histograms) • Compound measures (Speed, Density, Pressure) • Completing the square and turning points • Standard Form – calculations and conversions • Inequalities • Algebraic proof • Circle Theorems • Functions
Other common topics	