

# MATHS TOPIC LIST

# PAPER 2

# FOUNDATION

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.

<b>What came up in Paper 1?</b>	<ul style="list-style-type: none"><li>• Fraction of an amount</li><li>• Fraction to decimal</li><li>• Square root</li><li>• Multiples</li><li>• Percentages</li><li>• Scale drawing</li><li>• Probability scale</li><li>• Parts of a circle</li><li>• Drawing a trapezium</li><li>• Column multiplication</li><li>• Bus stop division</li><li>• Number machine</li><li>• Bar chart</li><li>• Combining ratio</li></ul>	<ul style="list-style-type: none"><li>• Fraction arithmetic</li><li>• Solving equations with a fraction</li><li>• Solving equations with a bracket</li><li>• Proportion</li><li>• Bearings</li><li>• Stem and Leaf</li><li>• Range</li><li>• Expand brackets</li><li>• Factorising</li><li>• Speed</li><li>• Scatter graph</li><li>• Area rectangle</li><li>• Area circle</li><li>• Equation of a line</li></ul>
<b>Unlikely to appear again</b>		

<b>Extremely Likely</b>	<ul style="list-style-type: none"><li>• Percentage calculations (increase/decrease, reverse, percentage change, profit/loss)</li><li>• Nth term of a sequence, picture sequences</li><li>• Plotting graphs (linear, quadratic)</li><li>• Angle Facts</li><li>• Error intervals</li><li>• Transformations</li><li>• Scale Diagrams</li><li>• Statistical diagrams (pie charts, distance-time graphs, bar chart)</li><li>• Probability (tables, frequency trees, two-way tables)</li><li>• Standard form (conversions and calculations)</li><li>• Ratio</li><li>• Algebra (substitution, collect like terms, forming and solving, quadratics)</li></ul>
<b>Common topics left after Paper 1</b>	

<b>Likely</b>	<ul style="list-style-type: none"><li>• Venn diagrams</li><li>• Area (parallelogram, trapezium, triangles)</li><li>• Pythagoras' Theorem</li><li>• Volume</li><li>• Angles in polygons</li><li>• Simultaneous equations</li><li>• Rearranging formulae</li><li>• Compound measures (Density, Force, Combined)</li><li>• Prime Factor Decomposition</li></ul>
<b>Other common topics</b>	