MATHS TOPIC LIST PAPER 3 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.

What came up in Paper 1? **Unlikely to appear again**	• Fraction to percentage • BIDMAS • Naming quadrilaterals • Square numbers • Using a scale • Probability scale • Coordinates, midpoint • Weight and distance conversions • Mode, median and range • Write and simplify a ratio • Direct proportion • Fractions of amounts • Factorise single brackets	• Substitution • Recipes and best buys • Area of a triangle and rectangle • Plotting linear graph • Decimal multiplication • Scatter graphs • Probability table • Nth term • Inverse proportion • Factoring and solving quadratics • Surface area and volume of a cuboid • Estimation • Exact trig values
What came up in Paper 2? **Unlikely to appear again**	• Percentage to a fraction • Multiples • Measuring an angle • Collecting like terms • Ordering decimals • Drawing bar charts • Negative numbers • Expand a single bracket • Writing and simplifying a fraction • Time calculation • Prime numbers • Expressions, equations and formula • Solving linear equation • Stem and leaf diagram • Conversion graph • Direct proportion	• Factorise into a single bracket • Angle facts (triangle, quadrilaterals) • Sharing into a ratio • Transformations (rotation, describing translation) • Using a calculator • Rounding to significant figures • Equalities on a number line • Laws of indices • Mean from a grouped frequency table • Density • Converting units (volume, speed) • Reverse percentage (finding the original) • Pythagoras (distance between coordinates) • Circumference • Probability tree diagram
Extremely Likely **Common topics left after Papers 1 and 2**	• Percentage calculations (increase/decrease, percentage change, profit/loss) • Interest (compound and simple) • Ratio (combining, 1:n) • Graphs (plotting linear, quadratic, cubic) • Error intervals • Transformations (Enlargement, reflection) • Mean (from a list/reverse/combined) • Statistical diagrams (pie charts, distance-time graphs, pictograms) • Column vectors • Probability (probability table, frequency trees, two-way tables)	• Venn diagrams • Standard form (conversions and calculations) • Algebra (expand double brackets, forming and solving) • Prime Factor Decomposition/ Highest Common Factor and Lowest Common Multiple • Ordering fractions, decimals and percentages • Bearings • Angles in polygons • Angles in parallel lines