

Maths KS4 Higher Subject Learning Journey



Number 1

Estimation
Numeracy revision
Product rule of counting

Probability 1

Tree diagrams
Venn diagrams
Conditional probability

Ratio and Percentage Recap

Percentage change
Compounding interest
Depreciation
Ratio and proportion

Number 2

Indices
Surds
Standard Form

Algebra 1

Brackets and factorising
Solving equations
Rearranging formulae
Quadratic equations
Simultaneous equations
Algebraic Fractions

Year
10

Statistics 1

Representing Data
Averages
Cumulative frequency
Box plots
Scatter graphs

Ratio 2

Direct and Inverse
Proportion

Geometry 2

Transformations
Similarity
Trigonometry
Further trigonometry

Geometry 1

Angles in polygons
Areas & perimeters
Pythagoras' Theorem
Volume of prisms, cones and spheres

Geometry 3

Constructions and loci

Algebra 2

Coordinate geometry
Cubic and reciprocal graphs

Year
11

Geometry 4

Accuracy and bounds
Compound measures
Circle Theorems
Bearings
Plans

Geometry 5

Vectors
Congruence

Algebra 3

Inequalities
Sequences
Completing the square
Functions
Iteration

GCSE
Ready!

Probability & Statistics 2

Histograms
Frequency polygons
Probability with algebra

Algebra 4

Exponential graphs
Geometric sequences
Trigonometric graphs
Graphs of circles
Transforming graphs
Tangents and area under curves

Algebra 5

Proof