

Maths KS4 Intermediate Subject Learning Journey



Number 1

Calculation recap
Fractions recap
Decimals recap
Estimation

Percentages & ratio 1

Percentage change
Compounding interest
Depreciation
Ratio and proportion

Number 2

Indices
Roots & Powers
Prime numbers
HCF and LCM

Algebra 1

Simplifying recap
Brackets & factorising
Solving linear equations

Algebra 2

Sequences
Linear graphs

Year
10

Probability 1

Writing probabilities
Two-way tables
Frequency trees
Mutually exclusive events
Tree diagrams

Geometry 4

Angles in polygons
Pythagoras Theorem
Trigonometry
Construction and loci

Statistics 1

Representing Data
Averages
Scatter graphs

Geometry 2

Transformations
(reflection, rotation,
translation, enlargement)
Similarity

Geometry 1

Angle reasoning 1
- Angles in
triangles,
quadrilaterals,
parallel lines

Year
11

Geometry 3

Areas, perimeters
Circles and sectors
Volume and surface
area of 3D shapes

Algebra 3

Inequalities
Rearranging
Linear graphs 2
Quadratic graphs
Quadratic equations

Ratio 2

Ratio, ratio,
percentage recap
Reverse percentage

Algebra 5

Cubic and
reciprocal graphs

GCSE
Ready!

Number 3

Indices
Standard form

Algebra 4

Simultaneous
equations

Geometry 5

Accuracy and bounds
Spheres and cones
Compound measures
Bearings
Plans and elevations
Column vectors

Probability & Statistics 2

Frequency polygons
Venn diagrams for probability