The Marlborough Science Academy 'shaping futures'

Mathematics learning journey

A level Maths and Further Maths

AS level Core Maths

Higher GCSE

YEAR 7

Algebraic fractions
Algebraic proof
Trig/circle graphs
Iteration
Vectors proof
Graph transformation
Sine and cosine rules
Geometric proof
Quadratic simultaneous equations
Cumulative frequency
Circle theorems
Quadratic sequences
Surds
Rearranging
Converting units of area/volume
Quadratic graphs
Exchange rates
Bounds
Simultaneous equations
Vectors basics
Density/pressure
Quadratics
Standard form
Best buy problems
Indices
Speed, distance and time
Powers and reciprocals
Linear graphs
Tree diagrams
Scatter graphs
Constructions/loci
Trigonometry
Expanding brackets
Nth term
Inequalities
Percentage change
Angles in polygons
Frequency trees
Pythagoras
Formulae
Volume and surface area
Conversion
Pie charts
Order of operations
Scale drawing
Proportion recipes
Ratio sharing and simplifying
Area and perimeter
Angle rules
Fractions
Averages
HCF, LCM
Simplifying expressions
Equations
Fractions, decimals and percentages
Probability
Factors and multiples
Powers and roots
Transformations
Linear sequences
Rounding
Decimal calculations
Using a calculator
Money calculations
Coordinates
Negative numbers
Pythagoras intro
Place value
Properties of shapes