Maths at Kings of Wessex Academy Curriculum Journey


Year 12 and Year 13
A-level Maths (GCSE grade 7 required) Further Maths (GCSE Grade 8 required) Core Maths ( half an A-level, GCSE grade 4 required) Pure Maths

Further Statistics
Decision Maths

## Application of statistics

Mathematical Modelling using normal distribution Critical analysis of articles and data Financial Calculations Fermi Estimations

Mechanic

Top Higher
Drawing and recognising different types of graph
Direct and Inverse proportion
ind the gradient at a point on a graph. Interpret rates of change in different conten

Higher and Top Higher Sequences


Higher and Top Highe Compound Interest questions. Growth and Decay

Higher and Top
Higher $\xrightarrow[\text { Higher }]{\text { Cumulativer }}$ Cumulative Frequency, Box Plots and Histograms

Higher and Top Higher
Linear Inequalities Revision of solving quadratic equations Quadratic Inequalities

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Higher and Top Higher Revision of solving quadratic equations.
Sketching quadratic stating key points Solving simultaneous equations when one is linear and one is

Top Higher Revision of linear graphs and equations of parallel $\longrightarrow$ and perpendicular lines. Finding the equation of a tangent to a curve at

Higher Drawing and finding the equation of linear graphs. Equations of perpendicular lines. Graphical Inequalities
and Inverse proportion

Borderline Revision of 2D shapes, Volume and Surface area of a prism

Higher and Top Higher Volume and Surface Area


## Place Value, estimation and rounding.

Plotting Coordinates
Perimeter and Area

Ordering and comparing
Arithmetic procedures including fractions
Understanding multiplicative reasoning relationships fractions and decimals. Transformations

Higher and Top Higher Percentages and Compound Interest

Higher and Top Higher Solving linear and Quadratic Equations, solving Simultaneous Equations

Higher and Top Higher Proportion, Ratio.

Higher and Top Higher
Solving quadratic
Equations.

Borderline
Volume and surface area of Cone, Pyramid and Sphere



## Borderline

Averages and Spread, Cumulative Frequency, Box Plots, Histograms, Scatter graphs and

Higher Higher

Higher and Top Higher

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\begin{array}{ll}
\text { Drawing and recognising } & \text { Higher and Top His } \\
\text { different types of graphs, Direct } & \text { Revision of angles, } \\
\text { Circle Theorems }
\end{array}
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