Maths Learning Journey
‘Maths and success add up’ ’

University
Apprenticeship
Career

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How do I understand and use geometry and measure?
- Geometric vector proof
- Sequences and series
- Parametric equations
- Reciprocal trigonometric functions
- Variable acceleration in two dimensions
- Projectiles
- Friction and inclined planes
- Normal distributions
- Conditional probability
- Correlation Hypothesis testing
- Further integration
- Further differentiation
- Radian measure
- Moments
- Partial Fractions
- Modulus function

How do I understand and use algebra?

How do I understand and use probability and statistics?

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How do I understand and use geometry and measure?
- Venn Diagrams
- Statistical disruptions
- Hypothesis testing
- Constant acceleration
- Forces and motion
- Variable acceleration
- Exponentials and logarithms
- Representations Data
- Differentiation
- Cubic, quartic graphs and transformations
- Geometric vectors
- Integration
- Tangents and chords
- Trigonometric identities
- Factor Theorem
- Correlation
- Binomial expansion
- Representations of Data
- The discriminant
- Measures of spread

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How do I understand and use number skills?
- Surface area of 3D shapes
- Simultaneous Equations
- Trigonometry
- Exact trig values
- Algebraic Direct/Inverse Proportion
- Volume of curved 3D shapes
- Arcs and Sectors
- Subject knowledge enhancement

How do I understand and use probability and statistics?
- Tree Diagrams
- Simultaneous Equations context
- Y = mx + c and Gradients
- Loci/Isometric drawings
- Solving quadratics by factoring
- Vectors
- Circles - fractions
- Percentage reverse/repeated
- Standard Form

How do I understand and use geometry and measure?

How do I understand and use algebra?

How do I understand and use ratio and proportion?

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How do I understand and use number skills?
- Bearings and Regular Polygons
- Two way tables
- Similar Lengths
- Linear Equations
- Exploring and applying probability
- Constructions
- SDT Graphs
- Pie Charts / Sampling
- Construction and loci
- Number
- Introduction to Trigonometry

How do I understand and use probability and statistics?

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How do I understand and use geometry and measure?
- Polygons
- Applications of graphs
- Algebraic manipulation
- Prisms and Cylinders
- Compound measure
- Equations and formulae
- Using data
- Pythagoras’ Theorem
- Calculating with fractions
- Applying standard form
- Solving equations graphically
- Application of Percentages

How do I understand and use algebra?

How do I understand and use ratio and proportion?
- Comparing data
- Circles
- Fractions and Decimals
- Expanding and simplifying expressions
- Rounding and standard form
- Graphs
- Equations and formulae
- Proportion
- Congruence and scaling
- Pie charts and scatter graphs
- Simplifying numbers
- Area/Volume
- Congruent shapes
- Percentage change
- Probability

How do I understand and use number skills?

How do I understand and use probability and statistics?

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How do I understand and use geometry and measure?
- Symmetry
- 3D shapes
- Angles and transformations
- Probability scales
- Linear equations
- Interpreting data
- Introducing ratio
- Factors, multiple and primes
- Percentages
- Coordinates and graphs
- Angles
- Fractions

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How do I understand and use number skills?
- Expressions and Formulae
- Working with number
- Perimeter and area
- Using numbers
- Averages and using data
- Power of 10 and decimals
- Sequences

How do I understand and use probability and statistics?

KS2