

What I will learn about in Mathematics



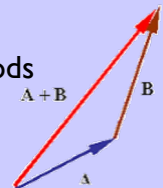
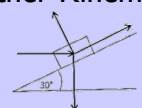
A Learning Journey at **Etone College**
'PROGRESS FOR ALL'

Year 13

Integration Sequences/Series Further Trigonometry Further Kinematics

Binomial $\frac{dy}{dx} \iff \int y dx$ Conditional Probability Numerical Methods Vectors Normal Distribution

Differentiation Friction Projectiles Functions Parametric Equations Application of Forces

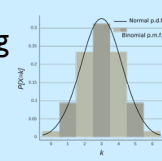
Year 12

Hypothesis Testing Binomial Distribution Mechanical Modelling Statistical Methods

Differentiation Variance Correlation Variable Acceleration Partial Fractions Forces Constant Acceleration

Integration Exponentials and Logarithms Algebraic Methods Quadratics Vectors $\sum \frac{(x-\bar{x})^2}{n-1}$ Probability Graphs

Algebraic Expressions Trigonometry Radians Correlation Moments Standard Deviation Circles Binomials



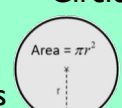
Year 11

Area of Compound Shapes Working with Ratio Applying Pythagoras Compound Percentage Change

Exchange Rates Circles Simultaneous Equations Upper and Lower Bounds Reverse Percentages Loci Fractional Enlargements

Standard Form Factorise and Solve a Quadratic Units of Measure FDP Inequalities $-3x + 5 \leq -16$ Estimating

Arcs and Sectors Bearings Surface Area Bisectors Using a Calculator Changing the Subject Vectors Frequency Trees




Year 10 GCSE Statistics

Cumulative Frequency Scatter Graphs Time Series

Further Collecting Data Further Averages/Spread

Further Probability Histograms

Index Numbers Probability Distributions



Year 10 GCSE Mathematics

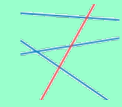
Laws of Indices

Properties of Special Quadrilaterals Application of Angle Rules

Equation from Two Points and Parallel Plotting a Quadratic Graph



Factorise Expressions – Non-Quadratic Perpendicular and Midpoints


HCF and LCM using Venn Diagrams



Year 10

Collecting Data Displaying Data Probability Averages and Spread 2, 2, 5, 6, 7, 8

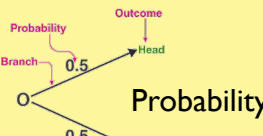
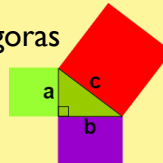
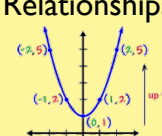
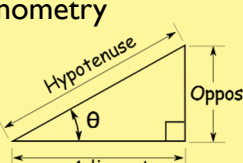





Year 9

Similarity and Pythagoras Non-Linear Relationships Expressions and Formulae Trigonometry Standard Form Graphical Representations

Probability

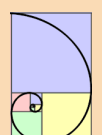
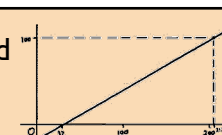
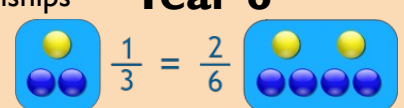
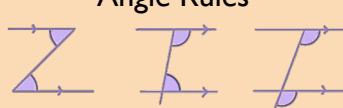





Year 8

Estimating and Rounding Linear Relationships Percentages and Proportionality Statistical Representations Angle Rules Constructions

Sequences Solving Linear Equations

Perimeter, Area and Volume

Year 7

Place Value Integers and Decimals Perimeter and Area Fractions Ratio 2 : 3 Transformations

Properties of Number Expressions and Equations Plotting Coordinates

