KS4 Mathematics Higher Tier Learning Journey

THE WINSFORD ACADEMY

GCSE Examinations

GCSE EXAM REVISION

YEAR 11

- Vectors
- **Geometry**
- Congruence and Geometric Proof
- **Mock Examinations**
- Algebraic Proof
- **Algebra**
- Circle Theorems
- Further Trigonometry
- Graphs of Trigonometric Functions
- Trigonometry
- **Geometry**
- Functions
- Cumulative Frequency and Box Plots
- Histograms
- Sampling
- Surface Area, and Volume of Pyramids, Cylinders, Cones, Spheres and Frustums
- Real-life Graphs
- Similarity in 2D and 3D Shapes
- Circles, Arcs and Sectors
- Plans and Elevations
- **Geometry**
- Probability
- Gradients
- Speed/Distance/Time and Compound Measure
- **Data Handling & Probability**
- **Assessment Point 2**
- Similarity and Congruence in 2D Shapes
- Surface Area and Volume
- Constructions
- Transformations
- Probability Trees
- Probability
- Scatter Graphs
- **Algebra**
- Quadratic and Cubic Graphs
- **Geometry**
- Coordinate Geometry
- **Geometry**
- Direct and Inverse Proportion
- **Ratio & Proportion**
- Graphs – using graphs of circles, cubes and quadratics
- Circle Geometry
- Iterations
- Algebraic Fractions
- **Data Handling & Probability**
- Frequency Diagrams
- Simultaneous Equations
- Quadratic s including the formula
- **Assessment Point 1**
- Forming and Solving Equations
- Sequences
- Rearranging Equations
- Expanding and Factorising
- **Algebra**
- Surds
- Accuracy and Bounds
- Product Rule
- Fractional and Negative Indices
- Recurring Fractions
- **Number**

YEAR 10

welcome