Maths Route 2

Learning Journey

YEAR 11

Final exams

Revision
- Pre exam sessions
- Holiday and weekend sessions

Trial exams

Revision
- Peer mentoring
- Staples challenge

Trial exams

Revision
- Walking talking mocks
- After school sessions
- QLA fixes
- Bespoke SOW

Trial exams

Algebra
- Reciprocal and exponential graphs
- Proof
- Surds
- Direct and inverse proportion
- Rearranging equations

Geometry
- Vectors
- Circle theorems
- Circle geometry
- Geometric proof

Algebra
- Sketching graphs
- Quadratics
- Iteration
- Expanding trinomials

Geometry
- Graphs of trigonometric functions
- Similarity and congruence
- Further trigonometry

Ratio
- Multiplicative reasoning

Probability
- Tree diagrams

YEAR 10

Data
- Histograms
- Cumulative frequency and box plots
- Sampling
- Represent and interpret data
- Scatter graphs
- Averages and range

Geometry
- Transformations
- Constructions, loci and bearings

Algebra
- Coordinate geometry
- Real life graphs
- Inequalities
- Linear, quadratic, cubic graphs
- Simultaneous equations
- Solving quadratics

Geometry
- Area and perimeter
- Volume of cylinders, cones and spheres
- Circles
- Accuracy and bounds

Ratio
- Fractions and percentages
- Ratio and proportion

YEAR 9

Number
- Calculations and rounding
- Factors, multiples and primes
- Surds
- Indices, roots, reciprocals and order of operations
- Standard form

Algebra
- Factorising
- Rearrange and solve equations
- Sequences

Geometry
- Polygons, angles and parallel lines
- Pythagoras and trigonometry

Probability
- Further probability

Algebra
- Applied graphs

Geometry
- Constructions and loci
- Similarity and congruence

Ratio
- Proportion

Geometry
- 3D shapes, capacity and volume
- Angles in parallel lines
- Circles and compound area

Probability
- Introducing probability

Algebra
- Plot and interpret graphs
- Sequences

YEAR 8

Geometry
- Area of triangles, parallelograms and trapezia
- Properties of 2D shapes
- Perimeters of 2d shapes including circles
- Angles in triangles and polygons
- Coordinates and transformations

Number
- Fractions, decimals and percentages
- Understanding percentages

Ratio
- Ratio

Number
- Powers and roots

Algebra

YEAR 7

Data
- Calculate mean, median, mode and range
- Construct and interpret tables and diagrams

Algebra
- Solving equations
- Simplify and manipulate algebra

Number
- Order of operations
- Four operations with fractions
- Four operations with integers and decimals
- Factors, multiples and primes
- Baseline: GL Maths Test
- HCF and LCM
- Comparing integers, decimals and fractions
- Understanding fractions
- Place value, decimals and scales

welcome