

# Key Stage 3 Years 7, 8 & 9

## Year 7

- Unit 0 – Number 1 – 4 Rules
- Unit 1 – Number 2 - Place Value & Calculations
- Unit 2 – Algebra 1 – Introduction & Expressions
- Unit 3 – Algebra 2 – Equations
- Unit 4 – Geometry 1 - Measures & Area
- Unit 5 – Geometry 2 – Lines, Angles & Construction
- Unit 6 – Geometry 3 - Transformations
- Unit 7 – Algebra 3 - Graphs
- Unit 8 – Number 3 & Algebra 4 – Special Numbers & Sequences
- Unit 9 – Number 4 – Fractions, Decimals & Percentages
- Unit 10 – Statistics 1 – Charts & Graphs
- Unit 11 – Statistics 2 – Statistical Analysis
- Unit 12 – Ratio & Proportion 1 – Introduction & Transformations
- Unit 13 – Probability 1 – Probability Scale & Estimating Outcomes
- Unit 14 – Geometry 4 – Bearings & Scale Drawings
- Unit 15 – Algebra 5 – Graphs & Functions
- Unit 16 – Number 5 – Numerical Calculations

## Year 8

- Unit 1 – Ratio & Proportion 2 – FDP, Ratio & Proportional Reasoning
- Unit 2 – Number 6 – Integers, Powers & Roots
- Unit 3 – Algebra 6 – Expressions, Equations, Formulae & Identities
- Unit 4 – Algebra 7 – Sequences & Functions
- Unit 5 – Number 7 - Place Value & Rounding
- Unit 6 – Algebra 8 – Straight Line Graphs
- Unit 7 – Geometry 5 – Measures & Mensuration
- Unit 8 – Probability 2 – Theoretical Probability
- Unit 9 – Geometry 6 – Lines, Angles, Shapes, Construction & Loci
- Unit 10 – Geometry 7 – Geometrical Reasoning & Transformations
- Unit 11 – Statistics 3 – Charts & Graphs
- Unit 12 – Algebra 9 – Real-Life Graphs
- Unit 13 – Geometry 8 – Pythagoras’ Theorem
- Unit 14 – Number 8 – Recap & Proportional Reasoning
- Unit 15 – Year 9 Skills Preparation (Foundation Only)
- Unit 15 – Statistics 4 – Handling Data, Statistical Analysis (Higher Only)
- Unit 16 – Algebra 9 – Equations, Formulae & Graphs (Higher Only)
- Unit 17 – Geometry 9 – Angles in Polygons (Higher Only)
- Unit 18 – Probability 3 – Experimental Probability & reasoning (Higher Only)

## Year 9

- Unit 1 – Algebra 10 – Basic Algebra Review & Equations
- Unit 2 – Geometry 10 – Pythagoras & Trigonometry
- Unit 3 – Number 9 – Basic Number, Rounding, Factors & Multiples
- Unit 4 – Algebra 11 – Introduction to Quadratics & Rearranging
- Unit 5 – Geometry 11 – Angles
- Unit 6 – Number 10 – Fractions & Decimals
- Unit 7 – Geometry 12 – Perimeter, Area & Circumference
- Unit 8 – Statistics 5 – Collecting & Representing Data
- Unit 9 – Algebra 12 – Coordinates & Linear Graphs
- Unit 10 – Ratio & Proportion 3 – Sharing into a Ratio & Comparing
- Unit 11 – Geometry 13 – Transformations
- Unit 12 – Geometry 14 – Scale Drawings & Bearings
- Unit 13 – Number 11 – Basic Percentages & Calculating with Percentages
- Unit 14 – Statistics 6 – Statistical Measures
- Unit 15 – Number 12 – Indices & Standard Form
- Unit 16 – Algebra 13 – Sequences
- Unit 17 – Probability 4 – Basic Probability

# Key Stage 4 Year 10 Foundation

## Foundation Support Pathway

- Unit 0 – Number 0 – Number Recap (Foundation Support Group Only)
- UNIT 1 – Algebra 1 – Expressions & Equations
- UNIT 2 – Geometry 1 – Area & Perimeter
- Unit 3 – 2 Further Circumference & Area
- Unit 4 – Geometry 3 - Volume
- Unit 5 – Geometry 4 – Pythagoras & Trigonometry
- Unit 6 – Algebra 2 – Simultaneous Equations
- Unit 7 – Geometry 5 - Measures
- Unit 8 – Probability 1 – Calculating Probability & Relative Frequency
- Unit 9 – Algebra 3 - Inequalities
- Unit 10 – Geometry 6 – Properties of Polygons
- Unit 11 – Geometry 7 – 2D & 3D Shapes
- Unit 12 – Geometry 8 – Similarity & Congruence
- Unit 13 – Algebra 4 – Linear Graphs
- Unit 14 – Algebra 5 – Sketching Graphs
- Unit 15 – Number 1 – Rounding & Number Properties
- Unit 16 – Statistics 1 – Scatter Graphs
- Unit 17 – Number 2 – Fractions, Decimals & Percentages
- Unit 18 – Statistics 2 – Averages & Pie Charts
- Unit 19 – Ratio & Proportion 1 – Growth & Decay
- Unit 20 – Geometry 9 – Angles, Area, Perimeter & Circumference
- Unit 21 – Probability 2 – Diagrams, Tables & Trees
- Unit 22 – Algebra 6 – Real-Life Graphs
- Unit 23 – Geometry 10 – Construction & Loci

## Foundation Pathway

- UNIT 1 – Algebra 1 - Algebra Recap & Extension
- UNIT 2 – Geometry 1 - Recap Area & Perimeter
- UNIT 3 – Geometry 2 - 2D & 3D Shapes
- UNIT 4 – Algebra 2 Simultaneous Equations
- UNIT 5 – Geometry 3 Properties of Polygons
- UNIT 6 – Ratio & Proportion 1 - Growth & Decay
- UNIT 7 – Geometry 4 - Further Circumference & Area
- UNIT 8 – Algebra 3 - Graphs
- UNIT 9 – Probability 1 - Calculating Probability & Relative Frequency
- UNIT 10 – Geometry 5 - Measures
- UNIT 11 – Statistics 1 - Scatter Graphs
- UNIT 12 – Geometry 6 - Volume
- UNIT 13 – Algebra 4 - Inequalities
- UNIT 14 – Number 1 - Fractions, Decimals & Percentages
- UNIT 15 – Statistics 2 - Averages & Pie Charts
- UNIT 16 – Ratio & Proportion 2 - Recap and Further Ratio & Proportion
- UNIT 17 – Algebra 5 - Real-Life Graphs
- UNIT 18 – Geometry 7 - Similarity & Congruence
- UNIT 19 – Geometry 11 - Transformations Recap
- UNIT 20 – Probability 2 - Diagrams, Tables & Trees
- UNIT 21 – Algebra 6 - Sketching Graphs
- UNIT 22 – Geometry 8 - Pythagoras & Right Angled Trigonometry
- UNIT 23 – Geometry 9 - Construction & Loci
- UNIT 24 – Number 2 - Number Recap
- UNIT 25 – Geometry 10 - Recap

# Key Stage 4 Year 10 Foundation

## Foundation Support Pathway

- Unit 0 – Number 0 – Number Recap (Foundation Support Group Only)
- UNIT 1 – Algebra 1 – Expressions & Equations
- UNIT 2 – Geometry 1 – Area & Perimeter
- Unit 3 – 2 Further Circumference & Area
- Unit 4 – Geometry 3 - Volume
- Unit 5 – Geometry 4 – Pythagoras & Trigonometry
- Unit 6 – Algebra 2 – Simultaneous Equations
- Unit 7 – Geometry 5 - Measures
- Unit 8 – Probability 1 – Calculating Probability & Relative Frequency
- Unit 9 – Algebra 3 - Inequalities
- Unit 10 – Geometry 6 – Properties of Polygons
- Unit 11 – Geometry 7 – 2D & 3D Shapes
- Unit 12 – Geometry 8 – Similarity & Congruence
- Unit 13 – Algebra 4 – Linear Graphs
- Unit 14 – Algebra 5 – Sketching Graphs
- Unit 15 – Number 1 – Rounding & Number Properties
- Unit 16 – Statistics 1 – Scatter Graphs
- Unit 17 – Number 2 – Fractions, Decimals & Percentages
- Unit 18 – Statistics 2 – Averages & Pie Charts
- Unit 19 – Ratio & Proportion 1 – Growth & Decay
- Unit 20 – Geometry 9 – Angles, Area, Perimeter & Circumference
- Unit 21 – Probability 2 – Diagrams, Tables & Trees
- Unit 22 – Algebra 6 – Real-Life Graphs
- Unit 23 – Geometry 10 – Construction & Loci

## Foundation Pathway

- UNIT 1 – Algebra 1 - Algebra Recap & Extension
- UNIT 2 – Geometry 1 - Recap Area & Perimeter
- UNIT 3 – Geometry 2 - 2D & 3D Shapes
- UNIT 4 – Algebra 2 Simultaneous Equations
- UNIT 5 – Geometry 3 Properties of Polygons
- UNIT 6 – Ratio & Proportion 1 - Growth & Decay
- UNIT 7 – Geometry 4 - Further Circumference & Area
- UNIT 8 – Algebra 3 - Graphs
- UNIT 9 – Probability 1 - Calculating Probability & Relative Frequency
- UNIT 10 – Geometry 5 - Measures
- UNIT 11 – Statistics 1 - Scatter Graphs
- UNIT 12 – Geometry 6 - Volume
- UNIT 13 – Algebra 4 - Inequalities
- UNIT 14 – Number 1 - Fractions, Decimals & Percentages
- UNIT 15 – Statistics 2 - Averages & Pie Charts
- UNIT 16 – Ratio & Proportion 2 - Recap and Further Ratio & Proportion
- UNIT 17 – Algebra 5 - Real-Life Graphs
- UNIT 18 – Geometry 7 - Similarity & Congruence
- UNIT 19 – Geometry 11 - Transformations Recap
- UNIT 20 – Probability 2 - Diagrams, Tables & Trees
- UNIT 21 – Algebra 6 - Sketching Graphs
- UNIT 22 – Geometry 8 - Pythagoras & [Right Angled](#) Trigonometry
- UNIT 23 – Geometry 9 - Construction & Loci
- UNIT 24 – Number 2 - Number Recap
- UNIT 25 – Geometry 10 - Recap

# Key Stage 4 Year 10 Higher

## Higher Pathway

- UNIT 1 – Algebra 1 - Linear & Quadratic Equations & Graphs
- UNIT 2 – Number 1 - Surds
- UNIT 3 – Revision and Review - Number; rounding, multiples, factors
- UNIT 4 – Geometry 1 - Volume, Pythagoras & Trigonometry Recap
- UNIT 5 – Algebra 2 Simultaneous Equations
- UNIT 6 – Revision and Review - Percentage & Percentage change
- UNIT 7 – Geometry 2 - Measures
- UNIT 8 – Probability 1 - Outcomes, Diagrams and Frequency
- UNIT 9 – Algebra 3 - [Inequalities](#)
- UNIT 10 – Geometry 3 - Congruence, Similarity, 2D Representations
- UNIT 11 – Number recap and review
- UNIT 12 – Revision and Review; angles and circle theorems
- UNIT 13 – Ratio & Proportion 1 - Direct & Inverse Proportion
- UNIT 14 – Statistics 7 - Scatter Graphs
- UNIT 15 – Algebra 5 - [Sketching](#) Graphs, Equation of a Circle
- UNIT 16 – Statistics 8 - Recap and Review
- UNIT 17 – Geometry 5 - Angles & Properties of Polygons
- UNIT 18 – Algebra 6 - Algebraic Fractions
- UNIT 19 – Geometry 6 - Transformations & Measures

## Higher Statistics Pathway

- UNIT 1 – Algebra 1 - Linear & Quadratic Equations & Graphs
- UNIT 2 – Number 1 - Surds
- UNIT 3 – Statistics 1 - Planning; hypotheses, Types of Data, Sampling
- UNIT 4 – Geometry 1 - Volume, Pythagoras & Trigonometry Recap
- UNIT 5 – Statistics 2 - Averages 1
- UNIT 6 – Algebra 2 Simultaneous Equations
- UNIT 7 – Geometry 2 - Measures
- UNIT 8 – Probability 1 - Outcomes, Diagrams and Frequency
- UNIT 9 – Statistics 4 - Volume & Diagrams
- UNIT 10 – Algebra 3 - [Inequalities](#)
- UNIT 11 – Geometry 3 - Congruence, Similarity, 2D Representations
- UNIT 12 – Statistics 5 - Standard Deviation & the Normal Distribution
- UNIT 13 – Statistics 6 - Averages 2
- UNIT 14 – Statistics 8 - Graph recap & Cumulative Frequency
- UNIT 15 – Ratio & Proportion 1 - Direct & Inverse Proportion
- UNIT 16 – [Statistics](#) 7 - Scatter Graphs
- UNIT 17 – Algebra 5 - [Sketching](#) Graphs, Equation of a Circle
- UNIT 18 – Statistics 8 - Recap and Review
- UNIT 19 – Geometry 5 - Angles, Circle Theorems & Properties of Polygons
- UNIT 20 – Algebra 6 - Algebraic Fractions
- UNIT 21 – Geometry 6 - Transformations & Measures

## Higher Further [Maths Pathway](#)

- UNIT 1 – Algebra 1 - Linear & Quadratic Equations & Graphs
- UNIT 2 – Number 1 - Surds
- UNIT 3 – Calculus 1 - Introduction to Calculus
- UNIT 4 – Geometry 1 - Volume, Pythagoras & Trigonometry Recap
- UNIT 5 – Algebra 2 Simultaneous Equations
- UNIT 6 – Geometry 2 - Vectors
- UNIT 7 – Geometry 3 - Measures
- UNIT 8 – Probability 1 - Outcomes, Diagrams and Frequency
- UNIT 9 – Algebra 3 - [Inequalities](#)
- UNIT 10 – Geometry 4 - Congruence, Similarity, 2D Representations
- UNIT 11 – Algebra 4 - Sequences and Indices
- UNIT 12 – [Matrices](#) 1 - Matrix Multiplication
- UNIT 13 – Ratio & Proportion 1 - Direct & Inverse Proportion
- UNIT 14 – Statistics 1 - Scatter Graphs
- UNIT 15 – Algebra 4 - [Sketching](#) Graphs, Equation of a Circle
- UNIT 16 – Statistics 2 - Data Representations & Averages
- UNIT 17 – Geometry 5 - Properties of Polygons
- UNIT 18 – Algebra 5 - Algebraic Fractions
- UNIT 19 – Geometry 6 - Transformations & Measures

# Key Stage 4 Year 11 Foundation

## Foundation Pathway

- UNIT 1 – Number 3 - Fractions Recap
- UNIT 2 – Ratio & Proportion 2 - Ratio Recap
- UNIT 3 – Algebra 7 - Algebra Recap
- UNIT 4 – Geometry 11 - Area, Perimeter, Circumference & Volume
- UNIT 5 – Number 4 - 4 Rules, Estimation, Growth & Decay & Reverse Percentage
- UNIT 6 – Probability 3 - Basic Probability, Trees & Relative Frequency
- UNIT 7 – Geometry 12 - Angles Recap
- UNIT 8 – Algebra 8 - Problem Solving
- UNIT 9 – Statistics 3 - Graphs, Tables & Averages
- UNIT 10 – Ratio & Proportion 3 - Revision
- UNIT 11 – Probability 4 - Revision
- UNIT 12 – Geometry 13 - Revision
- UNIT 13 – Algebra 9 - Revision
- UNIT 14 – Number 5 - Revision

# Key Stage 4 Year 11 Higher

## Higher Pathway

- UNIT 1 – Number 3 - Iteration, Trial & Improvement & Growth & Decay
- UNIT 2 – Algebra 11 - Real Life Graphs
- UNIT 3 – Geometry 6 - Constructions and Loci
- UNIT 4 – Algebra 6 - Further Quadratics, Rearranging Formulae & Identities
- UNIT 5 – Geometry 7 - Trigonometry
- UNIT 6 – Geometry 8 - Vectors
- UNIT 7 – Statistics - RECAP
- UNIT 8 – Number 4 - Recap
- UNIT 9 – Algebra 7 - Further Equations and Graphs
- UNIT 10 – Probability 2 - Recap
- UNIT 11 – Algebra 9 - Further Sketching Graphs
- UNIT 12 – Algebra 10 - Transforming Functions
- UNIT 13 – Pre-calculus Y11 TBHA Sequence

## Higher Statistics Pathway

- UNIT 1 – Number 3 - Iteration, Trial & Improvement & Growth & Decay
- UNIT 2 – Algebra 11 - Real Life Graphs
- UNIT 3 – Geometry 6 - Constructions and Loci
- UNIT 4 – Algebra 6 - Further Quadratics, Rearranging Formulae & Identities
- UNIT 5 – Geometry 7 - Trigonometry
- UNIT 6 – Geometry 8 - Vectors
- UNIT 7 – Statistics - RECAP
- UNIT 8 – Number 4 - Recap
- UNIT 9 – Algebra 7 - Further Equations and Graphs
- UNIT 10 – Probability 2 - Recap
- UNIT 11 – Algebra 9 - Further Sketching Graphs
- UNIT 12 – Algebra 10 - Transforming Functions
- UNIT 13 – Pre-calculus Y11 TBHA Sequence

## Higher Further Maths Pathway

- UNIT 1 – Number 3 - Numerical Methods and Growth and Decay
- UNIT 2 – Algebra 6 – Real-Life Graphs
- UNIT 3 – Geometry 7 - Constructions and Loci
- UNIT 4 – Algebra 7 - Further Quadratics, Rearranging Formulae, and Identities
- UNIT 5 – Geometry 8 - Trigonometry Recap + Sine & Cosine Rules
- UNIT 6 – Algebra 8 - Factor Theorem
- UNIT 7 – Algebra 9 - Binomial Expansion
- UNIT 8 – Matrices 2 - Matrix Transformations
- UNIT 9 – Algebra 10 - Functions, and Further Equations Graphs
- UNIT 10 – Probability 2 - Recap
- UNIT 11 – Geometry 9 - Trigonometric Identities
- UNIT 12 – Algebra 11 - Transforming and Sketching Functions
- UNIT 13 – Calculus 2 - Calculus Applications
- UNIT 14 – Statistics 3 - Recap
- UNIT 15 – Number 4 - Recap