



**QUEST 6**  
Year 13

- Differentiation & Integration
- Numerical Methods
- Vectors (3D)
- Moments & Forces
- Applications of Kinematics
- Applications Of Forces
- Normal Distribution
- Probability
- Regression & Correlations
- Parametric Equations
- Trigonometry
- Binomial Theorem

- Series and Sequences
- Proof, Algebraic & Partial Fractions
- Exponentials & Logarithms
- Forces and Newton's Laws
- Quantities and in Mechanics K1/K2
- Hypothesis testing

**QUEST 6**  
Year 12

- Recall Transformations Graphs of Functions
- Recall Pythagoras Theorem and Trigonometry
- Recall Vectors and Geometric Proof
- Recall Interpreting Data and Probability
- Recall Angles and Circle Theorems
- Recall Sequences and Inequalities
- Recall Bearing and Transformations
- Recall Volume and Surface Area
- Recall Ratio and Proportional Reasoning

- Data presentation
- Probability
- Statistical Distributions
- Algebra and Functions
- Further Algebra & Trig
- Differentiation & Integration

**YEAR 11**

- Recall Equations and Graphs
- Recall Indices and Standard Form
- Recall Fractions, decimals and percentages
- Bearings
- Collecting & representing Data
- Averages & Range

- Vectors and Geometric Proof
- Pythagoras Theorem and Trigonometry
- Angles and Circle Theorems
- Transformations Graphs of Functions
- Interpreting Data and Probability
- Sequences and Inequalities

**YEAR 10**

- Constructions & Loci
- Similarity & Congruency
- Transformations
- Volume & Surface Area
- Non-linear Sequences
- Simultaneous Equations

- Volume and Surface Area
- Bearing and Transformations
- Equations and Graphs
- Fractions, decimals and percentages
- Indices and Standard form
- Ratio and Proportional Reasoning

**YEAR 9**

- Algebraic Indices
- Direct and Inverse Proportions
- Proportional Reasoning

- Probability
- Similarity & Congruency
- Constructions
- Transformations
- Theorem of Pythagoras
- Parallel lines & Polygons

**YEAR 8**

- Angles and Constructions
- 3D shapes & Nets
- Volume of 3D shapes
- Surface Area of 3D Shapes
- Averages
- Graphs & Charts

- Plans & Elevations
- Surface area & Volume
- Points, Lines and Planes
- Percentages
- Algebraic Expressions
- Arithmetic & Geometric Sequences

**YEAR 7**

- Linear Equations
- Substitution
- Algebraic Expressions
- Fractions, Decimals and Percentages
- Proportional Reasoning
- Arithmetic with Decimals

Induction, team-building, settling in, expectations