

KS5: YEAR 12

OUR LEARNING JOURNEY

SUMMER
3:2

- The Binomial Theorem Sequences and Series

SUMMER
3:1

- Forces and Newton Laws
- Kinematics in one Dimension
- Analysis of a large data set

- Vectors
- Statistical analysis and presentation
- Statistical Sampling

SPRING
2:2

- Exponentials and Logarithms
- The Binomial Expansion
 - Integration
 - Trigonometry

SPRING
2:1

- Differentiation
- Graphs and Inequalities
- Exponentials and Logarithms

AUTUMN
1:2

- Algebraic Manipulation
- Straight Lines and Circles
 - Methods of Proof
- Probability and Statistical Distributions
- Hypothesis Testing

AUTUMN
1:1

KS5: YEAR 13

OUR LEARNING JOURNEY

SUMMER
3:2

Summer Examinations

- Equilibrium and Resolving Forces
 - Statics and Dynamics
 - Moments
- Kinematics in one Dimension

SUMMER
3:1

- Partial Fractions and Integration
 - Differential Equations
 - Parametric Equations
 - Proof

SPRING
2:2

- Partial Fractions and Integration
- Further Integration
 - Trigonometry
- Parametric Equations

SPRING
2:1

- Further Differentiation
- Numerical Methods
- Trigonometry and Circular Measure

AUTUMN
1:2

- Functions and Transformations of Graphs
- Statistical Distributions – Normal Distribution
- Further Probability and Hypothesis Testing

AUTUMN
1:1