

A-Level Maths: Year 12



- The Binomial Theorem Sequences and Series

**SUMMER
3:2**

- Forces and Newtons Laws
- Kinematics in one Dimension
- Analysis of a Large Data Set

**SUMMER
3:1**

- 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**

**AUTUMN
1:1**

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

OUR LEARNING JOURNEY

A-Level Maths: Year 13



CARDINAL
NEWMAN
CATHOLIC SCHOOL

Summer
Examinations

SUMMER
3:2

- 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

AUTUMN
1:1

- The Binomial Theorem Sequences and Series
- Functions and Transformations of Graphs
- Statistical Distributions – Normal Distribution
- Further Probability and Hypothesis Testing

OUR LEARNING
JOURNEY