

# MATHS KEY STAGE 5 SUBJECT CURRICULUM (Y12)

## LEARNING JOURNEY



TERM 1

Algebraic Expressions & Quadratics

Equations & Inequalities, Graphs & Transformations

Straight Line Graphs & Circles

Algebraic Methods & Binomial Expansion

Trig Ratios, Identities & Equations

TERM 2

Vectors

Differentiation & Integration

Exponentials & Logarithms

Data Collection, Measures of Location & Spread

Representations of Data and Correlation

TERM 3

Probability, Statistical Distributions

Hypothesis Testing

Mechanical Modelling

Forces & Motion

Constant & Variable Acceleration

# MATHS KEY STAGE 5 SUBJECT CURRICULUM (Y13)

## LEARNING JOURNEY



TERM 1

Algebraic Methods,  
Functions & Graphs

Sequences & Series,  
Binomial Expansion

Radian, Trig  
Functions &  
Modelling

Parametric Equations,  
Numerical Methods

Differentiation  
& Integration

TERM 2

Vectors

Regression,  
Correlation &  
Hypothesis Testing

Conditional  
Probability, Normal  
Distribution

Moments, Forces  
& Friction

Projectiles,  
Applications of  
Forces

TERM 3

Further  
Kinematics

Revision