Springwood High School

Learning Journey
Mathematics - Key Stage 5

Pure
Statistics
Mechanics

Numerical methods   Vectors   Parametric equations   Integration

Normal distribution   Further kinematics

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Binomial expansion   Sequences and series   Differentiation

Projectiles   Regression, correlation and hypothesis testing   Applications of forces

Functions and graphs   Proof and partial fractions   Trigonometry and modelling

Hypothesis testing   Moments   Statistical distributions

Differentiation   Integration   Exponentials and logarithms   Reciprocal and inverse trigonometry

Probability   Variable acceleration   Conditional probability

Vectors   Radians   Trigonometric ratios, identities and equations   Binomial expansion

Forces and friction   Correlation   Forces and motion

Graphs and transformations   Circle geometry   Algebraic methods and proof

Measures of location and spread   Constant acceleration   Representations of data

Equations and inequalities   Quadratics   Straight line graphs   Surds and Indices

Modelling in mechanics   Data collection

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