



THE MATHEMATICS JOURNEY AT NAILSEASCHOOL.

Part of the Wessex Learning Trust

Accountancy
Engineering
Science
Economics
Cyber security
Logistics

Normal distribution, Kinematics & moments
Differential equations, methods in calculus.

Numerical methods, hypothesis testing & integration.
Hyperbolic functions & critical path analysis

Parametric equations, differentiation & projectiles
Series, polar coordinates & travelling salesman

Radians, series, vectors and friction.
2D collisions, springs, algorithms & networks

Functions & graphs
Complex numbers & further calculus

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Key: Maths
Further Maths

Algebraic methods & constant acceleration
Matrices, complex numbers, polynomials, algorithms & networks

Measures, identities, vectors & forces
Series, proof & route inspection.

Correlation, probability & differentiation.
Argand diagrams, vectors & linear programming

Distributions & integration
Transformations, momentum critical path analysis

Logarithms & variable acceleration.
Volumes of revolution, energy & collisions

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Vectors
Curves

Complex surface area and volume
Circle geometry & vectors

Quadratic graphs and equations
Further trigonometry and graphs.

Simultaneous equations
Functions and iteration

Sets and Venn diagrams
Cumulative frequency, circle theorems & compound measures.

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Surface area & volume
Probability & simultaneous equations

Representing data & statistical measures
Surds and trigonometry.

Similarity & Transformations.
Similarity & Transformations

Proportion and graphs.
Non-linear graphs and quadratics

Pythagoras' Trigonometry
Quadratic equations

Probability
Statistical measures & histograms

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Bearings & loci.
Circles

Percentages
Algebraic proportion.

Algebra manipulation, equations & inequalities.
Graphs and regions

Sequences & linear graphs
Formulae & sequences

Angles & polygons
Equations, inequalities & angles

Number & standard form
Number & standard form

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Key: Foundation
Higher

Surface area & volume

Properties of number & Pythagoras' theorem

Algebraic expressions and equations

Proportional reasoning

Probability

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Angles

Fractional thinking.

Negative numbers, functions & graphs

Topic linked to multiplication and division e.g. circle area

Topic linked to place value, addition and subtraction e.g. decimals & median

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"DEVELOPING THE ABILITY OF APPLYING MATHS KNOWLEDGE AND SKILLS WITHIN A PROBLEM SOLVING ENVIRONMENT"