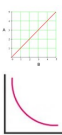


Direct
Inverse



Proportion equations and graphs

Pythagoras in Real Life
3D Pythagoras
Sin, Cos & Tan
Sine and Cosine

Number Revision
Circle Theorems

Algebra Revision
Vectors

Shape and Space Revision
Further Algebra

Probability Revision
Functions

Exam Preparation
Proof

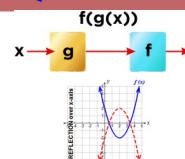
Exam Preparation

Year 11

Expressing Direction as Vectors
Application of Vectors in Problems and Proofs

Algebraic Fractions

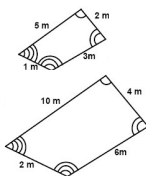
Expressing Functions
Inverse and Composite
Manipulating Functions with Graphs
Iteration



Proving shape and Number Properties

The sum of two consecutive square numbers ...
...is twice the product + 1

Scale Factors
Similar Shapes
Congruent Shapes



Volume and Surface Area Of Prisms
Spheres, Cones

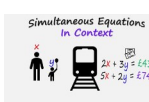
Expressing Inequalities
Solving Inequalities
Plotting Inequalities



Linear Equations

Quadratic Equations

Simultaneous Equations



Converting To and From Standard Form
Arithmetic with Standard Form

Pythagoras & Trigonometry

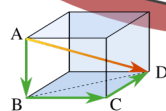
Congruence & Similarity

3D Shapes

Inequalities

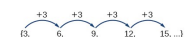
Equations & Formulae

Standard Form



$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

Linear sequences



Nth term

Fibonacci

Quadratic Sequences



Compound 3D Shapes



Speed

Density

Distance-Time Graphs

Velocity-Time Graphs



Solving Inequalities Graphically

Quadratic Inequalities



Two Way Tables

Sampling

$$E=mc^2$$

Substitution

Expressing and Using Formulae

Equations of Motion

Probability Theory

Sample Spaces

Experimental Probability



Indices

Laws of Indices

Negative and Reciprocal

Surds

NB: Higher Tier only



Year 10

Percentages

Sequences and Graphs

Compound Measures

Data

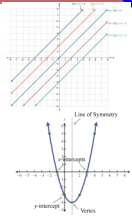
Probability

Number

%

Simple Interest
Compound Interest

Coordinates
Plotting and Reading
Gradient and Intercept
Parallel Lines
Perpendicular lines

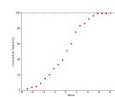


Quadratic Graphs
Cubic and Reciprocal Graphs
Equation of a Circle



Cumulative Frequency Plots

Box Plots

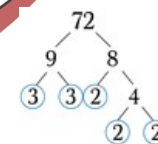


Probability Trees
Venn Diagrams

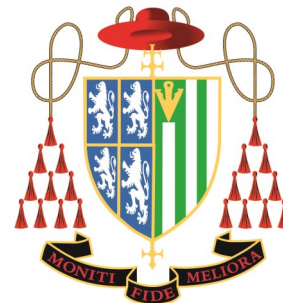
Conditional Probability



Rounding and Estimation
Upper and Lower Bounds
HCF and LCM



Cardinal Langley RC High School



Online Resources

Click the apps to explore

