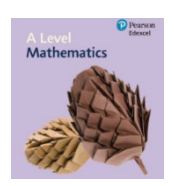




# GCSE Higher B Maths Learning Journey



A good Mathematics GCSE at grade 5 to 7 will support your application for college and sixth form courses, apprenticeship and job opportunities. Courses in Business and Finance, and Psychology.



Pure Maths  
 $\frac{dy}{dx} = f(x)$   
 $\frac{dy}{dx} = f(x, y)$   
 $x_1 \frac{\partial y}{\partial x_1} + x_2 \frac{\partial y}{\partial x_2} = y$

Written Exam  
 3 Papers

Exam Questions and Techniques

Congruence and Similarity

Circle Theorems

Transforming Functions

## YEAR 12/13

Statistics

Mechanics

Direct and Inverse Proportion

Sine and Cosine Rule

Further Graph Sketching

## YEAR 11

Inequalities

Quadratic Functions and Rearranging Formulae and Identities

Geometry and Measures Recap and Review

Equation of a Circle

Probability

Vectors

Transformations

Simultaneous Equations

Statistical Measures

Volume

Number Recap & Review

Collecting and Representing Data

Surds

Trigonometry Recap

Linear and Quadratic Equations and their Graphs

Statistics Recap and Review

Measures

Introduction to Quadratics and Rearranging Formulae

Growth & Decay

Perimeter & Area

Pythagoras & Trigonometry

Algebra Recap & Review

Calculating with Percentages

Sequences

Indices

Density Formula

Measures

Equations

Scatter graphs

Introduction to Perimeter and Area

Real life Graphs

Standard Form

Constructions and Loci

Indices

Ratio and Proportion

Basic Percentages

Co-ordinates & Linear Graphs

Properties of Polygons

Basic Fractions

Rounding

Introduction to Area & Circumference

Collecting and Representing Data

Scale drawings & Bearings

Basic Decimals

Basic Algebra Review

Number Recap

Standard Form

Bearings

Ability

Formulae

Formulae

Basic Number

Angles

Percentages

Calculating Space

Measuring Data

Circles

Data

Proportional Reasoning

Estimation

Properties of Shape

Arithmetic with Fractions

Sequences

Estimation

Algebraic Manipulation

Negatives

Angles

Equations

Transformations

Angles

Units of Measure

Algebra

Constructions

The Number System

Equations

Equations

Ratio

Calculating

Fraction Decimal Percentages

Data

Negative Numbers

Transformations

Angles

Angles

Equations

Mean average

Median middle

Measuring Data

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations

Equations