GCSE (9-1) Mathematics
Pearson Edexcel
Level 1/Level 2 GCSE (9-1) Specification

Specification Summary

Grades 1/2

Addition and Subtraction
Multiplication and Division
Powers and Roots
Factors and Multiples
Fractions of an Amount
Fractions, Decimals and Percentages
Negative Numbers
BIDMAS
Simplifying Algebra
Angles
Area
Averages
Frequency Polygons
Stem and Leaf
Pie Charts
Grade 3
Fractions
Ratio
Proportion
Percentages
Exchange Rates
Best Buy Questions
Substitution
Solving Equations with an Unknown on Both Sides
Drawing Graphs
Area and Circumference of Circles
Transformations - Rotations
Transformations - Reflections
Transformations - Enlargements
Transformations - Translations
Transformations - Mixed Transformations
Area of Compound Shapes
Probability

Grade 4
Compound Interest and Depreciation
Indices
HCF and LCM
Functional Maths Questions
Inequalities
Inequalities on Graphs
Forming and Solving Equation
Sequences (Nth Term)
Expanding and Factorising
Pythagoras
Angle Problems
Angles in Parallel Lines
Angles in Polygons
Surface Area
Volume of Prisms
Cylinders
Loci and Construction
Bearings
Averages from Frequency Tables
Probability
Scatter Graphs

Grade 5

Reverse Percentages
Standard Form
Speed and Density
Changing the Subject of a Formula
Expanding and Factorising Quadratics
Solving Quadratics
Drawing Quadratic Graphs
Drawing Other Graphs: Cubic/Reciprocal
Simultaneous Equations
Solving Simultaneous Equations Graphically
Equation of a Line
Spheres and Cones
Sector Areas and Arc Lengths
Similar Shapes (Lengths)
SOHCAHTOA
Congruent Triangles
Probability Trees
Venn Diagrams

Grade 6

Recurring Decimals to Fractions
Fractional and Negative Indices
Similar Shapes (Area and Volume)
Enlarging with Negative Scale Factors
Circle Theorems
Cumulative Frequency and Box Plots

Grade 7

Surds
Bounds
Direct and Inverse Proportion
Quadratic Formula
Algebraic Fractions
Rearranging Harder Formulae
Harder Graphs: Trig/Exponential
Inverse and Composite Functions
Solving Equations using Iteration
Sine Rule, Cosine Rule, Area of Any Triangle
3d Pythagoras
Vectors
Histograms
Venn Diagrams ("Given that" questions)

Grade 8-9

Simultaneous Equations with a Quadratic
Transforming Graphs $y=f(x)$
Proof
Completing the Square
The Nth Term of a Quadratic Sequence
Quadratic Inequalities
Velocity Time Graphs
Proof of the Circle Theorems
Perpendicular Lines and the Equation of a Tangent