

Year 10 Foundation PLC

Linear Equations & Inequalities	R	A	G
Substitute			
Expand			
Factorise			
Expressions, equations, formulae, identities, inequalities and terms			
Form & solve linear equations			
Solve linear inequalities			
Representing linear inequalities as a region on a graph			
Solve simultaneous equations algebraically			
Solve simultaneous equations graphically			
Quadratic Functions			
Expand binomials			
Factorise quadratic expressions			
Form and solve quadratic equations			
Factorise quadratic expressions			
Graphs of quadratic functions			
Length, Area, Volume			
Use standard units of measure			
Properties of different type of triangle			
Formulae for area & volume			
Area & Circumference of circle			
Calculate exactly using pi			
Pythagoras' Theorem & Trigonometry			
Pythagoras' Theorem			
Similarity with trigonometry			
Trigonometric ratios			
Exact trigonometric values			
Analyse, represent & interpret data			
Sampling			
Tables, charts, diagrams including pie charts			
Measure of central tendency: averages, spread and quartiles			
Scatter diagrams			
Box-plots and cumulative frequency graphs			
Capture & recapture			
Independent events & conditional probability			
Probability notation and scales, including bias			
Relative frequency			
Mutually exclusive events			
Sample space diagrams, including frequency trees and probability trees			
Independent events			
Venn diagrams			