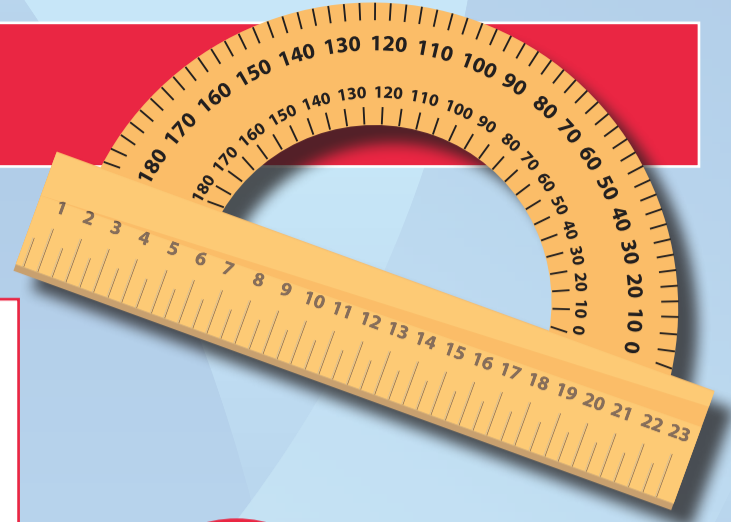




LANDAU FORTE ACADEMY AMINGTON LEARNING JOURNEY

MATHEMATICS



Continue your lifelong love of learning and personal development

- Apprenticeship
- College
- University
- Workplace

POST-16 PATHWAY

EXTERNALLY SET TASK (EXAM)

YEAR 11

Iteration
 Non-Linear Graphs
 Simultaneous Equations
 Rates of Change
Further Trigonometry (FM)
Binomial Expansion (FM)

Functions
 Vectors
 Quadratic Formula
 Sine & Cosine Rules
 Geometric Progressions
 Triangle Problems
 Quadratic Inequalities

Similar Triangles
 Box Plots
 Algebraic Fractions
 Scale Factors of Length, Area & Volume
 Perpendicular Lines
 Cumulative Frequency
 Quadratic Graphs

Revision
 Exam Practice
 Exam Technique
Calculus (FM)
Matrices (FM)

Rearranging Formulae
 Compound Measures
 Non-Linear Graphs
 Bearings
 Simultaneous Equations
 Compound Interest

Index Laws & Surds
 Venn Diagrams
 Graphical Inequalities
 Non-Linear Sequences
 Sampling
 Cones, Spheres & Pyramids

YEAR 10

Surds
 Histograms
 Right Angled Triangles in 3D
 Completing the Square
 Proportion
 Transformations

Geometric Proof
 Gradients & Rates of Change
 Vectors
 Circles & Tangents
 Iteration

Graphs in Context
 Probability Problems
 Circle Theorems
 Solving Quadratics

Argument and proof
 Geometric proof
 Simultaneous equations

Linear graphs
 Graphs and charts

Proportion
 Pythagoras
 Standard form
 Plans and elevations

YEAR 9

Estimating Roots
 Expanding Brackets
 Bounds
 SOHCAHTOA
 Proportional Problems
 Factorising
 Transformations

Linear inequalities
 Compound measures
 Non-linear graphs

Probability
 Non-linear sequences
 Perimeter, area and volume

Powers and roots
 Quadratics
 Rounding and bounds
 Constructions
 Ratio
 Loci

Experimental probability
 Angles in parallel lines
 Averages
 Bletchley Park, codes and cyphers

Proportion
 Algebraic manipulation
 Standard form
 Plans and elevations
 Fractions, decimals and percentages

Prime factorisation
 Calculator skills
 Index laws
 Significant figures
 Maps and bearings
 Ratio
 Enlargement

YEAR 8

Volume
 Percentage increase and decrease
 Speed
 Presenting probability
 Functions and graphs
 Financial maths

Angles in polygon
 Solving equations
 Graphs and charts
 Straight line graphs

Probability
 Negative numbers
 Sequences
 Order of operations
 Circles

YEAR 7

Number
 Place Value
 Geometric Notation
 Rounding & Estimation
 Measuring
 Factors & Multiples
 Sequences

Order of operations
 Area and perimeter
 Decimal calculations
 Conversions
 Ordering fractions

Time
 Multiplying and dividing fractions
 Averages
 Percentages

Attend Year 6 transition days

PRIMARY SCHOOL

WELCOME

Apply for a place at Landau Academy

Calculation Methods
 Properties of Shape
 Ordering Numbers
 Powers and Roots
 Coordinates & Lines
 Ratio

Missing Angles
 Introduction to Algebra
 Constructing Triangles
 Graphs and Charts

Volume and surface area
 Fractions and percentages
 Expanding brackets

Solving equations
 Adding and subtracting fractions
 Transformations
 Using percentages
 Averages from tables

