

LET Study Guides

Academic writing and study skills

Reading

[Academic Literature](#)
[Reading Effectively](#)
[Effective Note Making](#)
[Thought Mapping](#)

Writing

[Planning an Essay](#)
[Writing an Essay](#)
[Essay Presentation](#)
[Planning and Conducting a Dissertation](#)
[Research Project](#)

[Writing a Dissertation](#)
[Writing Reports](#)
[Using Paragraphs](#)
[Using 'signpost' Words and Phrases](#)

Revision and Exams

[Common Exam Errors](#)
[Creative Revision Strategies](#)
[Exam Stress](#)
[Improve your memory](#)

[Revision and Exam Skills](#)
[Using Past Papers](#)
[What to do if exams go badly](#)

Learning to Study

[Choosing a Study Skills Book](#)
[Organising your Time](#)
[Procrastination](#)

[Perfectionism](#)
[Semester Planner](#)
[Weekly Planner](#)

Lectures, Seminars and Presentations

[Making the Most of Lectures](#)
[Contributing to Seminars and Tutorials](#)
[Successful Group Projects](#)

[Planning a Presentation](#)
[Delivering a Presentation](#)
[Managing Anxiety in Presentations and Interviews](#)

Referencing and Plagiarism

[Referencing your Work](#)
[Using Paraphrase](#)
[Using Quotations](#)

Mathematics and Statistics

Steps into Numeracy

[Adding and Subtracting](#)
[Different Kinds of Numbers](#)
[Multiplying Small Numbers](#)
[Multiplying Numbers](#)
[Powers of 10 and Standard Form](#)
[Rules for Dividing Whole Numbers](#)
[Division by Chunking](#)
[What do I do First? BODMAS](#)
[Prime Factors](#)

[Highest Common Factor](#)
[Lowest Common Multiple](#)
[Types of Fractions](#)
[Cancelling Down Fractions](#)
[Multiplying and Dividing Fractions](#)
[Adding and Subtracting Fractions](#)
[Percentages](#)
[Using Percentages](#)

Steps into Algebra

[Laws of Indices](#)
[SNALPHABET](#)
[Simple Factorisation](#)
[Opening Brackets](#)
[Multiplying and Dividing Algebraic Fractions](#)
[Adding and Subtracting Algebraic Fractions](#)
[Rearranging Equations](#)

[Quadratic Functions](#)
[Factorising Quadratic Expressions](#)
[Solving Quadratic Equations by Factorisation](#)
[Solving Quadratic Equations using the Quadratic Formula](#)
[Completing the Square](#)

Steps into Trigonometry

[Introduction to Triangles](#)
[Angles](#)
[Pythagoras' Theorem](#)
[Trigonometric Ratios: Sine, Cosine and Tangent](#)

[Solving Right-angled Triangles](#)
[The Sine Rule](#)
[The Cosine Rule](#)
[Solving Trigonometric Equations](#)

Bridging between Algebra and Calculus

[Functions](#)
[Using Functions](#)
[More Complicated Functions](#)
[Inverse Functions and Graphs](#)
[Sketching a Graph](#)
[What is a Straight Line?](#)
[Finding Equations of Straight Lines](#)
[Sketching Straight Lines](#)

[Simultaneous Equations](#)
[Exponential Functions](#)
[Basic of Logarithms](#)
[Laws of Logarithms](#)
[Basics of Relations](#)
[Basics of Series](#)

Steps into Calculus

[What is Differentiation?](#)
[Differentiating Using the Power Rule](#)
[Differentiating Basic Functions](#)
[The Chain Rule](#)
[The Product Rule](#)
[The Quotient Rule](#)
[Stationary Points](#)
[Finding Stationary Points](#)
[What is Integration?](#)

[Integrating using the Power Rule](#)
[Definite Integrals](#)
[Integrating Basic Functions](#)
[Using Trigonometric Formulas in Integration](#)
[Integration and Natural Logarithms](#)
[Integration by Parts](#)
[The Differential Operator](#)
[Basics of Partial Differentiation](#)

Steps into Differential Equations

[Basics of Differential Equations](#)
[Separable Differential Equations](#)

[Homogeneous Differential Equations](#)
[Linear First Order Differential Equations](#)

Steps into Discrete Mathematics

[Basics of Sets](#)
[Operations on Sets](#)
[Basics of Logic](#)
[Basics of Matrices](#)
[Multiplying Matrices](#)

What is a Determinant? - coming soon
Finding Determinants - coming soon
Finding Inverse Matrices – coming soon

Steps into Statistics

[Levels of Data](#)
[The Mode](#)
[Measurements of Central Tendency](#)
[Measurements of Spread I: Range and Interquartile Range](#)

[Measurements of Spread II: Variance and Standard Deviation](#)
[Pie Charts](#)
[Bar Charts](#)
[Box and Whisker Plots](#)

Other Essential Skills

Converting Units - coming soon
[Plotting a Graph by Hand](#)
[Basics of Vectors](#)
[Basic Operations with Vectors](#)
[The Dot Product](#)

[The Cross Product](#)
[Basics of Sequences](#)
[Basics of Complex Numbers](#)
[Argand Diagrams and Polar Form](#)