

*Essential Maths Skills For
As A Level Business*

This textbook can be used throughout the course, whenever you feel your students need extra help.

-Worked examples and questions are all set within a geography context -A step-by-step approach to every maths skill -Measure progress with guided and non-guided questions that show how students are improving -Fully worked solutions for every question.

Manage your own revision with step-by-step support from experienced teacher and examiner Kevin Wells. Use specific case studies to improve your knowledge of business processes and topics. Apply business

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terms accurately with the help of definitions and key words. -Plan and pace your revision with the revision planner -Use the expert tips to clarify key points -Avoid making typical mistakes with key expert advice -Test yourself with end-of-topic questions and answers and tick off each topic as you complete it -Get exam ready with last minute quick quizzes at www.hoddereducation.co.uk/myrevisionnotes

Final in a seven book series for primary school children, based on recent developments in the maths curriculum. Covers the strands number, space, measurement and chance and data. Presents structured work units designed to reinforce previously learnt concepts and

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processes.

Guide to Essential Math

An Introduction

Essential Maths Skills 7-11

Essential Math Skills for Engineers

Essential Maths Skills for AS/A

Level Business

Essential Math for Data Science

"Essential Maths for Geoscientists: An Introduction" is an accessible, student-friendly introduction to the mathematics required by those students taking degree courses within the geosciences. Clearly structured throughout, this book carefully

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guides students step by step through the first mathematics they will encounter and provides numerous applied examples throughout to enhance students' understanding and to place each technique in context. Opening with a chapter explaining the need for studying mathematics within geosciences, this book then moves on to cover algebra, solving equations, logarithms and exponentials, uncertainties, errors

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and statistics, trigonometry, vectors and basic calculus. The final chapter helps to bring the subject all together and provides detailed applied questions to test students' knowledge. Worked applied examples are included in each chapter along with applied problem questions which are a mix of straightforward maths questions, word questions and more involved questions that involve the manipulation

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and interpretation of real and synthetic data. The emphasis in the book is on the application of relatively rudimentary mathematics to real-life scientific problems within the geosciences, enabling students to make use of current-day research problems and real datasets.

A must for students who want to excel in essential maths skills. Suitable for grade 3 - 4.

"The worked examples and guided questions are

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invaluable, and are a particular strength of this text, as they help to prepare the students to tackle the practice questions. Having exam-style questions (at the end) is another very good feature of this book. All of the examples and questions use appropriate and relevant business-related scenarios... I am confident that this book will achieve the aim of helping A/AS Business students develop their maths

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skills and enhance their understanding of the subject." Michaela Cottee, Principal Lecturer in Statistics, Hertfordshire Business School. If you struggle with calculating profit or working out unit costs, this is the book for you. This textbook companion will help improve your essential maths skills for business, whichever awarding body specification you're following. You can use it throughout your

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course, whenever you feel you need some extra help. - Develop your understanding of both maths and business with all worked examples and questions within a business context - Improve your confidence with a step-by-step approach to every maths skill - Measure your progress with guided and non-guided questions to see how you're improving - Understand where you're going wrong with full worked solutions to every question - Feel

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confident in expert guidance from experienced teacher Charlotte Wright and Principal Examiner Mike Pickerden; reviewed by Dr Michaela Cottee, Principal Lecturer in Statistics at Hertfordshire Business School

Essential Math and Calculations for Pharmacy Technicians

A Programmer's Guide, Second Edition

New 2015 A-level Physics

New 2015 A-level Psychology

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Essential Maths Skills
for Secondary Science
Essential Mathematical
Skills

"What do you assume your students know? What material do you expect them to have a vague idea about (say the proof of Taylor's Theorem) and what material do you want students to know thoroughly (say the derivative of $\sin x$)? This book is an attempt to define what material students should have completely mastered at each year in an applied mathematics, engineering or science

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degree. Naturally we would like our students to know more than the bare essentials detailed in this book. However, most students do not get full marks in their previous courses and a few weeks after the exam will only remember a small fraction of a course. They are also doing many other courses not involving mathematics and are not constantly using their mathematical skills. This book can then act as guide to what material should realistically be remembered from previous

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courses. Naturally both the material and the year in which the students see this material will vary from university to university. This book represents what we feel is appropriate to our students during their degrees."--Provided by publisher.

If you struggle with binary multiplication, or Big O Notation, this is the book for you. This textbook companion will help improve your essential maths skills for computer science, whichever awarding body specification you're

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following. You can use it throughout your course, whenever you feel you need some extra help. - Develop your understanding of both maths and computer science with all worked examples and questions within a computer science context - Improve your confidence with a step-by-step approach to every maths skill - Measure your progress with guided and non-guided questions to see how you're improving - Understand where you're going wrong with full worked solutions to every question - Feel

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confident in expert guidance from experienced teachers and examiners Victoria Ellis and Gavin Craddock, reviewed by Dr Kathleen Maitland, Senior Lecturer in Computing and Director of the SAS Student Academy at Birmingham City University "This book is for students working towards A Level Mathematics. Together with Book 1 it covers all the Pure Mathematics necessary for the full A level. It can be used in the classroom, and also contains sufficient explanations and worked examples for students

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working on their own. The exercises are plentiful, and graded in difficulty, to allow students to build confidence where necessary, and to extend themselves where possible. The work is collected into sections on Algebra, Coordinate Geometry, Binomial Expansion, Calculus, Trigonometry, Exponentials and Logarithms, Vectors and Proof, in line with the 2017 syllabus, and is suitable for use by students studying under any of the main examination boards."--Page V.

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New 2015 A-level Biology
Essential Maths for
Engineering and
Construction

Essential Maths Skills for
AS/A Level Chemistry

Essential Maths Skills for
AS/A Level Psychology

Essential Maths Skills

Essential Maths Skills - Grade
3 -4

For students anxious about statistics, this hands-on workbook is packed with clear explanations, real-world examples and practical exercises to gain the necessary maths skills to tackle

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statistics with confidence. Grounded in a social science context, it features:

- Clear introductions to symbols and tasks
- Multiple choice questions and exercises
- Real world case studies and datasets
- A glossary of terms

The book offers plenty of opportunities to practice through the accompanying online resources, which also includes datasets and a selection of author videos.

Don't let your students miss out on easy marks, prepare them for those

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Maths questions with this essential guide. Written specifically to build students' confidence in maths and to prepare them for the more challenging mathematical requirements which make up 15% of the new DT specifications. - Improve confidence with structured progression of worked examples, guided and non-guided questions, and worked solutions for every question - Strengthen students' maths skills and subject understanding with worked examples and practice questions all embedded in

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the subject context -
Develop exam confidence
with exam-style maths
questions - An essential
tool throughout the AS and
A Level course with every
maths skill mapped to
subject topics, and
applicable to every major
exam board - Reviewed by
subject and maths expert
Glyn Granger (former D&T
chief examiner)
Don't let your
mathematical skills fail
you! In Engineering,
Construction, and Science
examinations, marks are
often lost through
carelessness or from not

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properly understanding the mathematics involved. When there are only a few marks on offer for a part of a question, there may be full marks for a right answer and none for a wrong one, regardless of the thought that went into the answer. If you want to avoid losing these marks by improving the clarity both of your mathematical work and your mathematical understanding, then *Essential Maths for Engineering and Construction* is the book for you. We all make mistakes; who doesn't? But

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mistakes can be avoided when we understand why we make them. Taking mistakes commonly made by undergraduate students as its entry point, this book not only looks at how you can prevent mistakes, but also provides a primer for the fundamental mathematical skills required for your degree discipline. Whether you struggle with different types of interest rates, geometry, statistics, calculus, or any of the other mathematical areas vital to your degree, this book will guide you around

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the pitfalls.

Over 250 Activities to
Develop Deep Learning
Essential Maths Skills for
Exploring Social Data
My Revision Notes: OCR
Cambridge Nationals in
Creative iMedia L 1 / 2
Essential Maths Skills for
AS/A-level Geography
20 Minutes a Day to
Success: Book 1, Grades 4
And 5

Computer Science

*The Stage 9 Workbook
supports and supplements
the Stage 9 Student Book,
with engaging exercises to
support the curriculum
framework. It provides*

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summary notes for the theory required, extra questions for students to practice and apply the skills and knowledge they have gained, and space for pupils to write their answers in. The Stage 9 Teacher's CD provides a range of resources to assist in the teaching of the course, including interactive class activities to engage all your students, right across the ability range, revision activities to aid student retention, supplementary worksheets to support lower ability students and stretch

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more able learners, and answers to all the exercises in the Stage 9 Student Book and Workbook.

The ultimate resource for establishing a solid foundation for mathematical proficiency, Essential Math Skills provides hundreds of engaging, easy-to-implement activities and practical assessment tools. This standards- and research-based resource identifies the core math skills that must be measured at each grade level in Pre-K through third grade. Teachers can easily identify the skills from earlier

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grades that may need reteaching as well as appropriate activities for students who are ready to tackle higher-level skills. Students build confidence as they develop deep understanding and successfully advance through the skills. The creative strategies presented for teaching each skill include the use of manipulatives, visual-motor activities, exploration, inquiry, and play. When they experience success with these fun tasks, students can't help but fall in love

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with math!

Accurately calculating medication dosages is a critical element in pharmaceutical care that directly affects optimal patient outcomes.

Unfortunately, medication dosage errors happen in pharmacies, in hospitals, or even at home or in homecare settings everyday. In extreme cases, even minor dosage errors can have dire consequences. Careful calculations are essential to providing optimal medical and pharmaceutical care.

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Essential Math and Calculations for Pharmacy Technicians fills the need for a basic reference that students and professionals can use to help them understand and perform accurate calculations. Organized in a natural progression from the basic to the complex, the book includes: Roman and Arabic Numerals Fractions and decimals Ratios, proportions, and percentages Systems of measurement including household conversions Interpretation of medication orders Isotonicity, pH,

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*buffers, and reconstitutions
Intravenous flow rates
Insulin and Heparin products
Pediatric dosage Business
math Packed with numerous
solved examples and
practice problems, the book
presents the math in a step-
by-step style that allows
readers to quickly grasp
concepts. The authors
explain the fundamentals
simply and clearly and
include ample practice
problems that help readers
become proficient. The focus
on critical thinking, real-life
problem scenarios, and the
self-test format make*

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Essential Math and Calculations for Pharmacy Technicians an indispensable learning tool.

Essential Maths Skills for AS/A Level Design and Technology

Pre-production skills and Creating digital graphics Take Control of Your Data with Fundamental Calculus, Linear Algebra, Probability, and Statistics

Problem Solving

Developing thinking and maths skills for pupils with severe or complex learning difficulties

Essential Maths for

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Geoscientists

Offers short, self-contained math lessons for grades four and five featuring review exercises, word problems, speed drills, and teacher tips.

This book reminds students in junior, senior and graduate level courses in physics, chemistry and engineering of the math they may have forgotten (or learned imperfectly) that is needed to succeed in science courses. The focus is on math actually used in physics, chemistry, and engineering, and the approach to mathematics begins with 12 examples of increasing complexity,

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designed to hone the student's ability to think in mathematical terms and to apply quantitative methods to scientific problems. Detailed illustrations and links to reference material online help further comprehension. The second edition features new problems and illustrations and features expanded chapters on matrix algebra and differential equations. Use of proven pedagogical techniques developed during the author's 40 years of teaching experience New practice problems and exercises to enhance comprehension Coverage of fairly advanced topics,

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including vector and matrix algebra, partial differential equations, special functions and complex variables

If you struggle with index numbers or calculations of elasticity, this is the book for you. This textbook companion will help improve your essential maths skills for economics, whichever awarding body specification you're following. You can use it throughout your course, whenever you feel you need some extra help. - Develop your understanding of both maths and economics with all worked examples and questions within a economics context - Improve your

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confidence with a step-by-step approach to every maths skill - Measure your progress with guided and non-guided questions to see how you're improving - Understand where you're going wrong with full worked solutions to every question - Feel confident in expert guidance from experienced teacher Peter Davis and examiner Tracey Joad, reviewed by Colin Bamford, Professor of Transport and Logistics at University of Huddersfield and former Chief Examiner

Essential Maths Skills for AS/A- Level Physics

Essential Mathematics for Games and Interactive

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Applications

Essential Maths Skills for AS/A Level Economics

Level 9h

Mastering Essential Math Skills

Essential Skills in Maths

Each book covers Number, Algebra, Shape, Space and Measures, and Handling Data. Suitable for class or homework use. Uncluttered layout with easy to follow examples. Can be used alongside any maths course. Broad range of questions to improve performance.

Master the math needed to excel in data science and machine learning. If you're a data scientist who lacks a math or scientific

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background or a developer who wants to add data domains to your skillset, this is your book. Author Hadrien Jean provides you with a foundation in math for data science, machine learning, and deep learning. Through the course of this book, you'll learn how to use mathematical notation to understand new developments in the field, communicate with your peers, and solve problems in mathematical form. You'll also understand what's under the hood of the algorithms you're using. Learn how to: Use Python and Jupyter notebooks to plot data, represent equations, and visualize space transformations

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Read and write math notation to communicate ideas in data science and machine learning
Perform descriptive statistics and preliminary observation on a dataset
Manipulate vectors, matrices, and tensors to use machine learning and deep learning libraries such as TensorFlow or Keras
Explore reasons behind a broken model and be prepared to tune and fix it
Choose the right tool or algorithm for the right data problem
If your students struggle with standard deviation or statistical tests, this is the book for them.
This textbook companion will help improve their essential maths

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skills for psychology, whichever awarding body specification you're following. You can use it throughout the course, whenever you feel they need some extra help. - Develop understanding of both maths and psychology with all worked examples and questions within a psychology context - Improve confidence with a step-by-step approach to every maths skill - Measure progress with guided and non-guided questions - Understand misconceptions with full worked solutions to every question - Feel confident in expert guidance from experienced teacher and examiner Molly Marshall,

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reviewed by Dorothy Coombs,
Editor of ATP Today, former Chair
of the Association for the

Teaching of Psychology and
experienced biology, psychology
and FSMQ Statistics teacher

A Student's Workbook

Essential Maths Skills for AS and
A-Level Physics

For Engineering, Science and
Applied Mathematics

Essential Maths

Crammed with Techniques, Tools
and Tips to Help You Master All
the Required Skills: For

Specifications for All Awarding
Bodies in England and Wales for
First Teaching September 2015

How to Avoid Mistakes

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If your students struggle with changing the subject of an equation or drawing tangents to find rate of change, this is the book for them. This textbook companion will help improve their essential maths skills for chemistry, whichever awarding body specification you're following. You can use it throughout the course, whenever you feel they need some extra help. - Develop understanding of both maths and chemistry with all worked examples and questions within a chemistry context - Improve confidence with a step-by-step approach to every maths skill - Measure progress with guided and non-guided questions -

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Understand misconceptions with full worked solutions to every question - Feel confident in expert guidance from experienced teacher and examiner Nora Henry, reviewed by Paul Yates, Strategic Academic Development Adviser at the University of Chester and author of the mathematics skills column for the Royal Society of Chemistry magazine 'Education in Chemistry'

What good is math if you can't put it to good use? Studies show that problem solving is THE most neglected topic in most math programs. This book will ensure that the students develop their math

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critical thinking skills.

Students will learn to apply whole numbers, fractions, decimals, and percents to real-life situations.

Just the math skills you need to excel in the study or practice of engineering Good math skills are indispensable for all engineers regardless of their specialty, yet only a relatively small portion of the math that engineering students study in college mathematics courses is used on a frequent basis in the study or practice of engineering. That's why Essential Math Skills for Engineers focuses on only these few critically essential math skills that students

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need in order to advance in their engineering studies and excel in engineering practice. Essential Math Skills for Engineers features concise, easy-to-follow explanations that quickly bring readers up to speed on all the essential core math skills used in the daily study and practice of engineering. These fundamental and essential skills are logically grouped into categories that make them easy to learn while also promoting their long-term retention. Among the key areas covered are: Algebra, geometry, trigonometry, complex arithmetic, and differential and integral calculus

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Simultaneous, linear, algebraic equations Linear, constant-coefficient, ordinary differentialequations Linear, constant-coefficient, difference equations Linear, constant-coefficient, partial differential equations Fourier series and Fourier transform Laplace transform

Mathematics of vectors With the thorough understanding of essential math skills gained from this text, readers will have mastered a key component of the knowledge needed to become successful students of engineering. In addition, this text is highly recommended for practicing engineers who want to refresh their math skills in order to

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tackle problems in engineering with confidence.

**A Review for Physics,
Chemistry and Engineering
Students
Very Special Maths**

**Essential Maths Skills for AS/A
Level Biology**

**New 2015 A-level Chemistry
Essential Mathematics for
Cambridge Secondary 1 Stage
9**

*Essential Maths Skills for
AS/A Level Business Philip
Allan*

*Essential Mathematics for
Games and Interactive
Applications, 2nd edition
presents the core
mathematics necessary for
sophisticated 3D graphics*

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and interactive physical simulations. The book begins with linear algebra and matrix multiplication and expands on this foundation to cover such topics as color and lighting, interpolation, animation and basic game physics.

Essential Mathematics focuses on the issues of 3D game development important to programmers and includes optimization guidance throughout. The new edition Windows code will now use Visual Studio.NET. There will also be DirectX support provided, along with OpenGL - due to its cross-platform nature. Programmers will find more concrete examples

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included in this edition, as well as additional information on tuning, optimization and robustness. The book has a companion CD-ROM with exercises and a test bank for the academic secondary market, and for main market: code examples built around a shared code base, including a math library covering all the topics presented in the book, a core vector/matrix math engine, and libraries to support basic 3D rendering and interaction. Written for those who work with pupils with severe and profound learning difficulties, this practical book uniquely describes

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content for a special curriculum in maths, and looks at how early ideas develop and become real knowledge, essential to daily function. Les Staves explains recent theories about the early development of understanding numbers, including a breakdown of the processes of learning to count which are largely neglected in the National Curriculum. He also outlines the 'big ideas' that are fundamental to the beginnings of mathematical thinking for children with severe and profound learning difficulties, which are vital to carrying out practical mathematical

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processes.

Essential Maths 7c

***Essential Math Skills: Over
250 Activities to Develop***

Deep Learning

Essential Math Skills