Destination C1 E C2 Macmillan With Key

An exciting and intensive skills based course which focuses on themes from contemporary teen culture

For a one-semester undergraduate course in operating systems for computer science, computer engineering, and electrical engineering majors. Winner of the 2009 Textbook Excellence Award from the Text and Academic Authors Association (TAA)! Operating Systems: Internals and Design Principles is a comprehensive and unified introduction to operating systems. By using several innovative tools, Stallings makes it possible to understand critical core concepts that can be fundamentally challenging. The new edition includes the implementation of web based animations to aid visual learners. At key points in the book, students are directed to view an animation and then are provided with assignments to alter the animation input and analyze the results. The concepts are then enhanced and supported by end-of-chapter case studies of UNIX, Linux and Windows Vista. These provide students with a solid understanding of the key mechanisms of modern operating systems and the types of design tradeoffs and decisions involved in OS design. Because they are embedded into the text as end of chapter material, students are able to apply them right at the point of discussion. This approach is equally useful as a basic reference and as an up-to-date survey of the state of the art.

Extensive additional material in the format of a full-colour workbook, that enables students to consolidate and enrich their language and practice exam skills. This intensive course will satisfy your students' practice needs and allow them to achieve their full potential. If you want to teach your students at the level of the exam from the beginning of the year, use Expert. The material is fully revised and completely in line with the latest exam specifications. Expert provides intensive & extensive practice in exam tasks from day one.

The Economics of Welfare

A Basic English Grammar

Activate!.

The Algorithmic Foundations of Differential Privacy

A Comprehensive Analysis

English Grammar and Vocabulary

Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based

learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at discrete.openmathbooks.org
This publication shows readers how to design and conduct a census or sample survey. It explains basic survey concepts and provides information on how to create efficient and high quality surveys. It is aimed at those involved in planning, conducting or managing a survey and at students of survey design courses. This book contains the following information: formulating the survey objectives and design a questionnaire; things to consider when designing a survey (choosing between a sample or a census, defining the survey population, choosing which survey frame to use, possible sources of survey error); determining the sample size, allocate the sample across strata and select the sample; appropriate uses of survey data and methods of point and variance estimation in data analysis; data dissemination and disclosure control; using administrative data, particularly during the design and estimation phases; choosing a collection method (self-enumeration, personal interview or telephone interview, computer-assisted versus paper-based questionnaires); organizing and conducting data collection operations; processing data (all data handling activities between collection and estimation) and using quality control and quality assurance measures to minimize and control errors during various survey steps; and planning and managing a survey. This publication also includes a case study that illustrates the steps in developing a household survey, using the methods and principles presented in the book.
This updated and revised edition outlines strategies and models for how to use technology and knowledge to improve performance, create jobs and increase income. It shows what skills will be required to produce, sell and manage performance over time, and how manual jobs can contribute to reduce the consumption of non-renewable resources.
Communicative Fluency Activities for Language Teaching
Glossary and Sample Exams for DeVore's Probability and Statistics for Engineering and the Sciences, 7th
Advanced Language Practice
A First Course in Probability
Active Grammar. Level 3: Edition with Answers and CD-ROM

An Introduction

Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

This book is part of the Macmillan English Grammar In Context series, a three-level grammar practice series with a difference. Incorporating contextual examples in grammar practice activities, Macmillan English Grammar In Context is a grammar book that can be used in both the classroom and for self-study. Key Features:Grammar explanations with traditional practice activities and contextual examples Cross-curricular content areas include: literature science, geography, history and social sc

Based on extensive research, Grammar and Beyond ensures that students study accurate information about grammar and apply it in their own speech and writing. This is the first half of Student's Book, Level 2. The Student's Book is the main component of Grammar and Beyond. In each unit, students study the grammar in a realistic text and through charts and notes informed by a billion-word corpus of authentic language. The exercises provide practice in reading, writing, listening, and speaking, making this a complete course. Students learn to avoid common mistakes, based on an extensive corpus of learner language. Each unit concludes with a Grammar for Writing section, in which students apply the grammar in an extended writing task.

The Grammar of the English Tense System

Destination B2

First Certificate Language Practice

For Students Preparing for the Cambridge English First Exam

Practical Everyday English

The Swarm

Whales begin sinking ships. Toxic, eyeless crabs poison Long Island's water supply. The North Sea shelf collapses, killing thousands in Europe. Around the world, countries are beginning to feel the effects of the ocean's revenge as the seas and their inhabitants violent revolution against mankind. At stake is the survival of the Earth's fragile ecology—and ultimately, the survival of the human race itself. The apocalyptic catastro of The Day After Tomorrow meet the watery menace of The Abyss in this gripping, scientifically realistic, and utterly imaginative thriller.

The Grammar of the English Tense System forms the first volume of a four-volume set The Grammar of the English Verb Phrase. The other volumes, to appear over the next f years, will deal with mood and modality, aspect and voice. The book aims to provide a

grammar of tense which can be used both as an advanced reference grammar (for exa by MA-level or postgraduate students of English or linguistics) and as a scientific stud which can act as a basis for and stimulus to further research. It provides not only a v of data but also a unique framework for the study of the English tense system, which achieves great predictive and explanatory power on the basis of a limited number of relatively simple rules. The framework provided allows for an analysis of the semantics individual tenses which reflects the role of tenses not only in locating situations in tim relative to speech time but also in relating situations in time relative to one another t temporally coherent discourse. Attention is paid to the relations between tenses. On t one hand, we can identify sets of tenses linked to particular temporal areas such as t or the future. These sets of tenses provide for the expression of a system of tempora relations in a stretch of discourse in which all the situations are located within the sa temporal area. On the other hand, there are many contexts in which speakers might ir theory choose between two or more tenses to locate a situation (e.g., when we choo between the past tense and the present perfect to locate a situation before speech t and the book examines the difference that a choice of one or the other tense may ma within a discourse context. The book moves from a detailed exploration of the meaning and use of individual tenses to a thorough analysis of the way in which tenses can be to function together as sets, and finally to a detailed examination of tenses in, and ter interacting with, temporal adverbials. Original data is used frequently throughout the book to illustrate the theory discussed.

Destination C1 & C2 : Grammar and Vocabulary is the ideal grammar and vocabulary practice book for all advanced students preparing to take any C1 & C2 level exam: e.g. Cambridge CAE and Cambridge CPE.

Grammar and Vocabulary : Teacher's Edition

The Quest for Artificial Intelligence

Fundamentals of Astrodynamics

Introduction to Machine Learning

Gateway 2nd Edition - Build Up to B1

Destination B1

Teaching text developed by U.S. Air Force Academy and designed as a first course emphasizes the universal variable formulation. Develops the basic two-body and n-body equations of motion; orbit determination; classical orbital elements, coordinate transformations; differential correction; more. Includes specialized applications to lunar and interplanetary flight, example problems, exercises. 1971 edition.

The features of this volume include: a systematic approach to word formation; a focus on grammar, providing essential FC grammar practice; a list of collocations and patterns; and a phrasal verb reference section with definitions from the Macmillan English Dictionary for Advanced Learners.

Packed with easily understood, up-to-date and clinically relevant material, this is the only physiology book junior anaesthetists will need.

Grammar & Vocabulayr

Operations Research

Destination C1 & C2

Internals and Design Principles

Essential with Key

Grammar & Vocabulary

The CEFR Companion volume broadens the scope of language education. It reflects academic and societal developments since the publication of the Common European Framework of Reference for Languages (CEFR) and updates the 2001 version. It owes much to the contributions of members of the language teaching profession across Europe and beyond. This volume contains: ► an explanation of the key aspects of the CEFR for teaching and learning; ► a complete set of updated CEFR descriptors that replaces the 2001 set with: - modality-inclusive and gender-neutral descriptors; - added detail on listening and reading; - a new Pre–A1 level, plus enriched description at A1 and C levels; - a replacement scale for phonological competence; - new scales for mediation, online interaction and plurilingual/pluricultural competence; - new scales for sign language competence; ► a short report on the four-year development, validation and consultation processes. The CEFR Companion volume represents another step in a process of engagement with language education that has been pursued by the Council of Europe since 1971 and which seeks to: ► promote and support the learning and teaching of modern languages; ► enhance intercultural dialogue, and thus mutual understanding, social cohesion and democracy; ► protect linguistic and cultural diversity in Europe; and ► promote the right to quality education for all.

The goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. Introduction to Machine Learning is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing.Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of Introduction to Machine Learning reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods;

distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.

This revision of Bloom's taxonomy is designed to help teachers understand and implement standards-based curriculums. Cognitive psychologists, curriculum specialists, teacher educators, and researchers have developed a two-dimensional framework, focusing on knowledge and cognitive processes. In combination, these two define what students are expected to learn in school. It explores curriculums from three unique perspectives-cognitive psychologists (learning emphasis), curriculum specialists and teacher educators (C & I emphasis), and measurement and assessment experts (assessment emphasis). This revisited framework allows you to connect learning in all areas of curriculum. Educators, or others interested in educational psychology or educational methods for grades K-12.

With Key ; English Grammar and Vocabulary

Basic Physiology for Anaesthetists

A Novel

Exercises

Macmillan English Grammar in Context

Companion volume

Destination B1: Grammar and Vocabulary has been designed for intermediate students at B1 (Threshold) level on the Council of Europe's Common European Framewoirk Scale. It is the ideal grammar and vocabulary practice booksfor all students preparing to take ang B1 level exam: e.g. Cambridge PET and for students working towards B2 level exams in the future.

Complete CAE is a course for the 2008 updated CAE exam. Informed by the Cambridge Learner Corpus and providing a complete CAE exam paper specially prepared by Cambridge ESOL, it is the most authentic exam preparation course available. This topic-based course covers every part of the CAE exam in detail, ensuring that students are fully equipped to tackle each part of every paper. The Class Audio CDs contain all the audio for the Students' Book.

This market-leading introduction to probability features exceptionally clear explanations of the mathematics of probability theory and explores its many diverse applications through numerous interesting and motivational examples. The outstanding problem sets are a hallmark feature of this book. Provides clear, complete explanations to fully explain mathematical concepts. Features subsections on the probabilistic method and the maximum-minimums identity. Includes many new examples relating to DNA matching, utility, finance, and applications of the probabilistic method. Features an intuitive treatment of probability—intuitive explanations follow many examples. The Probability Models Disk included with each copy of the book, contains six probability

models that are referenced in the book and allow readers to quickly and easily perform calculations and simulations.
Proficiency Expert
Grammar & Vocabulary ; [with Answer Key ; Suitable for the Updated CAE Exam]
Complete CAE Class Audio CDs (3)
Simple Tools for Advanced English
English Grammar and Vocabulary ; [with Key ; Suitable for Students at PET/B1 Level]
Operating Systems

A three-level series of grammar reference and practice books for teenage and young adult learners. Active Grammar Level 1 covers all the grammar taught at A1-A2 (CEF) level. The book presents grammar points in meaningful context through engaging and informative texts, followed by clear explanations and useful tips that highlight common mistakes usually made by low-level learners. Exam-style exercises provide plenty of challenging practice and encourage students to apply their own ideas creatively to grammar learning. A large number of contrastive revision exercises in the book and on the CD-ROM allow students to assess and monitor their progress at regular intervals. This version without answers and CD-ROM is suitable for classroom use and self-study.
No other description available.
This practical book contains over 100 different speaking exercises, including interviews, guessing games, problem solving, role play and story telling with accompanying photocopiable worksheets.
Grammar and Vocabulary for Cambridge First
Grammar and Beyond Level 2 Student's
Intermediate Language Practice
Active Grammar Level 1 without Answers and CD-ROM
Keep Talking
An Open Introduction

The problem of privacy-preserving data analysis has a long history spanning multiple disciplines. As electronic data about individuals becomes increasingly detailed, and as technology enables ever more powerful collection and curation of these data, the need increases for a robust, meaningful, and mathematically rigorous definition of privacy, together with a computationally rich class of algorithms that satisfy this definition. Differential Privacy is such a definition. The Algorithmic Foundations of Differential Privacy starts out by motivating and discussing the meaning of differential privacy, and proceeds to explore the fundamental techniques for achieving differential privacy, and the application of these techniques in creative combinations, using the query-release problem as an ongoing example. A key point is that, by rethinking the computational goal, one can often obtain far better results than would be achieved by methodically replacing each step of a non-private computation with a differentially private implementation. Despite some powerful computational results, there are still fundamental limitations. Virtually all the algorithms discussed herein maintain differential privacy against adversaries of arbitrary computational power -- certain

algorithms are computationally intensive, others are efficient. Computational complexity for the adversary and the algorithm are both discussed. The monograph then turns from fundamentals to applications other than query-release, discussing differentially private methods for mechanism design and machine learning. The vast majority of the literature on differentially private algorithms considers a single, static, database that is subject to many analyses. Differential privacy in other models, including distributed databases and computations on data streams, is discussed. The Algorithmic Foundations of Differential Privacy is meant as a thorough introduction to the problems and techniques of differential privacy, and is an invaluable reference for anyone with an interest in the topic.

Gain the confidence you need to excel in English speaking exams and other formal speaking situations! In five short units, experienced EFL teacher Albert Bowkett presents innovative and effective techniques and exercises related to core speaking elements such as pronunciation, picture-related exam tasks, collaborative exam tasks, improvised conversation, presentations, and interviews. What makes this book special is its application of logic and critical thinking skills, as well as organisational and performance techniques. This goes beyond simply 'learning phrases' (intermediate level) and provides the advanced level EFL speaker with proven tools and strategies for passing speaking exams and producing confident, original and dynamic answers in all formal situations. Includes FREE bonus chapter: Unit 1 from ''C1 Vocabulary: 100 Exam Keywords for Advanced English''

Destination B2: Grammar and Vocabulary is the ideal grammar and vocabulary practice book for all students preparing to take any B2 level exam: e.g. Cambridge FCE.

C1 Speaking Skills

A Revision of Bloom's Taxonomy of Educational Objectives

The Performance Economy

Common European Framework of Reference for Languages: Learning, Teaching, assessment

A New Method of Learning Vocabulary for Advanced and Intermediate Students

Use of English