

**NEW** from



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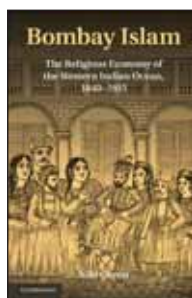
Contents	Page No.
<b>Academic</b>	1
History	1
Economics & Business Studies	2
Management	2
Language and Linguistics	3
East Asia Studies	4
Politics	4
Sociology	4
Law	5
Geography	5
Psychology	5
Gender Studies	5
Criminology	6
Mathematics	6
Physics	7
Engineering	8
Medicine	10
Life Sciences	12
Earth and Environmental Science	12
Astronomy	13
Nanotechnology	13
Computer Science	13
Statistics	14
<b>Education</b>	14
<b>ELT</b>	21

**ACADEMIC**

*History*

**Bombay Islam**  
The Religious  
Economy of the West  
Indian Ocean,  
1840-1915

*Nile Green*



As a thriving port city, nineteenth-century Bombay attracted migrants from across India and beyond. Nile Green's *Bombay Islam* traces the ties between industrialization, imperialism and the production of religion to show how Muslim migration from Bombay fueled demand for a wide range of religious suppliers.

HB	A	
9781107020764	344pp	Rs. 995.00

**Civil War in  
Europe, 1905-1949**

*Stanley G. Payne*



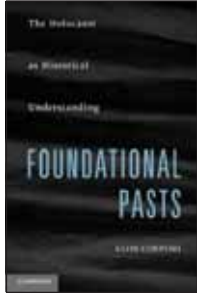
This is the first single-volume history of all the civil wars in Europe during the era of the world wars, 1905-1949. It analyzes the relationship between world war and civil war and explains why this was a special time of internal conflict.

PB	TX	
9781107648159	256pp	\$ 29.99

**Foundational Pasts**

The Holocaust as Historical Understanding

Alon Confino

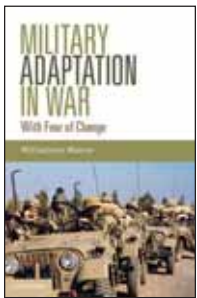


Alon Confino interprets the Holocaust by focusing on the culture that allowed the Germans to imagine a world without Jews. Confino compares Holocaust research with historians' interpretations of the French Revolution and pinpoints aspects of Nazi and German imagination that made the persecution and extermination both conceivable and possible.

PB	TX	
9780521736329	192pp	\$ 24.99

**Military Adaptation in War With Fear of Change**

Williamson Murray

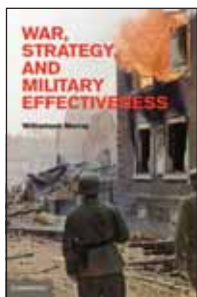


*Military Adaptation in War* addresses one of the most persistent, yet rarely examined, problems that military organizations confront: namely, the problem of how to adapt under the trying, terrifying conditions of war, which presents a series of intractable issues at every level, from policy and strategy down to the tactical.

HB	TX	
9781107006591	336pp	\$ 35.00

**War, Strategy, and Military Effectiveness**

Williamson Murray



This collection of articles by Professor Williamson Murray examines the role that history should play in thinking about both the present and the future, proving that the study of military and strategic history can be useful in confronting the daunting problems of war and peace in the twenty-first century.

HB	TX	
9781107002425	340pp	\$ 85.00

**Economics & Business Studies**

**Lionel Robbins**

Susan Howson

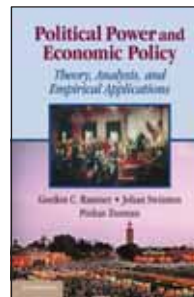


A biography of a major twentieth-century English economist who was a key player in the development of economics as an academic subject, especially at the London School of Economics; in economic policy, especially in Britain during the Second World War; in higher education in the 1960s; and in the administration of the arts in Britain.

HB	TX	
9781107002449	346pp	\$ 150.00

**Political Power and Economic Policy Theory, Analysis, and Empirical Applications**

Gordon C. Rausser, Johan Swinnen & Pinhas Zusman



This book analyzes the links between political economics, governance structures and the distribution of political power in economic policy making. The book theoretically explains and empirically quantifies these interactions. The analysis includes both public good policies and redistributive policies.

PB	TX	
9780521148009	544pp	\$ 45.00

**Management**

**Global Services Outsourcing**

Ronan McIvor

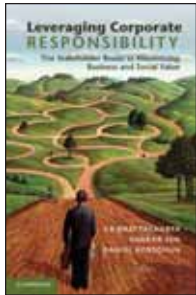


Services outsourcing is an increasingly attractive option for firms seeking to reduce costs and achieve service improvements. Many organisations now choose to transfer responsibility for entire functions such as human resources, finance and information technology services to both local and global vendors. Yet outsourcing such functions is a complex process, one that is driven by factors that transcend cost considerations alone. Issues such as service design, unbundling processes, managing work across different cultures and time zones, and business process redesign have all become important elements of managing services outsourcing arrangements. This book uses tools and techniques from a variety of disciplines to show how to successfully plan, implement and manage services outsourcing arrangements. Based on in-depth analysis of large-scale outsourcing arrangements across a wide range of sectors, this is an excellent resource for both academics and practitioners who wish to understand more about this complex phenomenon.

PB	T	
9781107670174	298pp	Rs.395.00

**Leveraging Corporate Responsibility**  
The Stakeholder Route to Maximizing Business and Social Value

*C. B. Bhattacharya,  
Sankar Sen  
& Daniel Korschun*

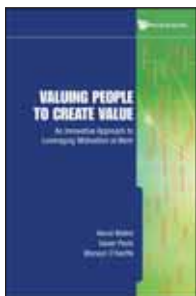


The corporate social and environmental responsibility movement, known more generally as corporate responsibility (CR), shows little sign of waning. Almost all large corporations now run some form of corporate responsibility program. Despite this widespread belief that CR can simultaneously improve societal welfare and corporate performance, most companies are largely in the dark when it comes to understanding how their stakeholders think and feel about these programs. This book argues that all companies must understand how and why stakeholders react to such information about companies and their actions. It examines the two most important stakeholder groups to companies - consumers and employees - to comprehend why, when and how they react to CR. Armed with this insight, it shows how companies can maximize the value of their CR initiatives by fostering strong stakeholder relationships to develop, implement and evaluate compelling social responsibility programs that generate value for both the company and its stakeholders.

PB	T	
9781107652385	340pp	Rs. 395.00

**Valuing People to Create Value**  
An Innovative Approach to Leveraging Motivation at Work

*Hervé Mathe,  
Xavier Pavie  
& Marwyn O'Keefe*



Motivation, that is positively weaved into the organizational culture, plays an instrumental role in the success of a company as well as in talent retention. This book aims to provide readers with a comprehensive and practical understanding of motivation by exploring the theories of motivation. It also focuses on innovative practices of leading organizations that are known for positive management relations with their employees. It also presents Motivation Spectrum - a dynamic tool, designed by the authors, that can be leveraged by organizations and managers to motivate people positively and to foster a relationship of value among employees and employers.

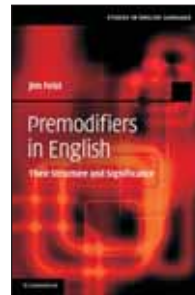
HB	TX	
9789814365062	208pp	\$ 80.00

WORLD SCIENTIFIC

**Language and Linguistics**

**Premodifiers in English**  
Their Structure and Significance

*Jim Feist*

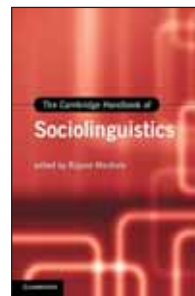


The order and behaviour of the premodifier (an adjective, or other modifying word that appears before a noun) has long been a puzzle to syntacticians and semanticists. This book synthesises research into premodifiers and provides a new explanation of their behaviour, order and use.

HB	TX	
9781107000865	288pp	£ 60.00

**The Cambridge Handbook of Sociolinguistics**

*Rajend Mesthrie (Ed.)*



The most comprehensive overview available, this handbook is an essential guide to sociolinguistics today. Reflecting the breadth of research in the field, it surveys a range of topics and approaches in the study of language variation and use in society.

HB	TX	
9780521897075	544pp	£ 90.00

**The Language of Stories**  
A Cognitive Approach

*Barbara Dancygier*



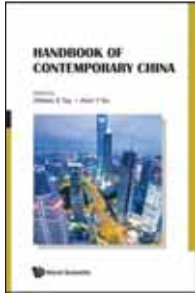
How do we read stories? How do they engage our minds and create meaning? Drawing on blending theory and construction grammar, this book focuses its linguistic lens on the concepts of the narrator and the story, and defines narrative viewpoint in a new way.

HB	TX	
9781107005822	240pp	£ 60.00

**East Asia studies**

**Handbook of Contemporary China**

*William S. Tay & Alvin Y. So (Eds.)*



*Handbook of Contemporary China* is a convenient reference in one single volume that offers comprehensive overviews of crucial cultural dimensions and key institutions of China. The *Handbook* covers a wide range of topics including: development model, politics, society, law, population, ethnicity, foreign relations, environment, urbanization, higher education, religion, literature, cinema, leisure and consumption, and internet and society. It is the first of its kind in the field of China Studies that traces the historical evolutions and profound transformations over the last three decades that ultimately allow China to achieve global ascendance. Offering a multi-disciplinary and multi-faceted coverage of the seachanges of the Chinese reform, the *Handbook* is lucidly written and concisely presented to serve as a handy guide for both professionals and the general public to gain a quick and reliable understanding of the complexities of China.

Contributing experts include Guobin Yang (Columbia University), Kevin Latham (London University), Fulong Wu (Cardiff University), Bin Liang (Oklahoma State University), Kam-ye Law (Hong Kong Institute of Education), Xiaogang Wu (Hong Kong University of Science and Technology), Zhongdong Ma (Hong Kong University of Science and Technology), Barry Sautman (Hong Kong University of Science and Technology), Simon Shen (Hong Kong Institute of Education), David Palmer (University of Hong Kong), Yok-shiu Lee (University of Hong Kong), Carlos Wing-hung Lo (Hong Kong Polytechnic University), Anna Ka-yin Lee (University of Hong Kong), Ka-ho Mok (Hong Kong Institute of Education), Li Wang (Zhejiang University), Ling-tun Ngai (Chinese University of Hong Kong), and Rui Zhang (Central Academy of Arts).

HB	TX	
9789814350082	468pp	\$ 148.00
WORLD SCIENTIFIC		

**Politics**

**After Broadcast News Media Regimes, Democracy, and the New Information Environment**

*Bruce A. Williams & Michael X. Delli Carpini*



Most people assume professional journalists are the legitimate source for political information and that the role of 'good' citizens is to watch, read or listen to the news. While this model has some valuable aspects, it also has very narrow notions of politically relevant information and the role of citizens.

PB	TX	
9780521279833	376pp	\$ 32.99

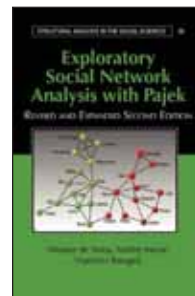
**Sociology**

TEXTBOOK

**Exploratory Social Network Analysis with Pajek**

2nd Edition

*Wouter de Nooy, Andrej Mrvar & Vladimir Batagelj*



An extensively revised and expanded second edition of the successful textbook on social network analysis integrating theory, applications and network analysis using Pajek. This edition features a new chapter, instructions on exporting data from Pajek to R software, and updated descriptions and screen shots for working with Pajek (version 2.03).

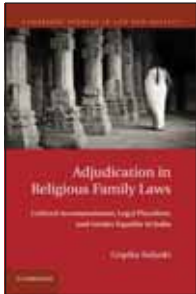
PB	TX	
9780521174800	442pp	\$ 50.00

**Law**

**Adjudication in Religious Family Laws**

Cultural Accommodation, Legal Pluralism, and Gender Equality in India

Gopika Solanki



This book argues that the shared adjudication model in which the state splits its adjudicative authority with religious groups and other societal sources in the regulation of marriage can potentially balance cultural rights and gender equality. In this model the civic and religious sources of legal authority construct, transmit and communicate heterogeneous notions of the conjugal family, gender relations and religious membership within the interstices of state and society. In so doing, they fracture the homogenized religious identities grounded in hierarchical gender relations within the conjugal family. The shared adjudication model facilitates diversity as it allows the construction of hybrid religious identities, creates fissures in ossified group boundaries and provides institutional spaces for ongoing intersocietal dialogue. This pluralized legal sphere, governed by ideologically diverse legal actors, can thus increase gender equality and individual and collective legal mobilization by women effects institutional change.

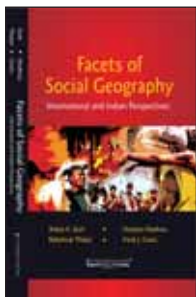
HB	A	
9781107023895	438pp	Rs. 1495.00

**Geography**

**Facets of Social Geography**

International and Indian Perspectives

Ashok K. Dutt, Vandana Wadhwa, Baleshwar Thakur & Frank J. Costa (Eds.)



*Facets of Social Geography: International and Indian Perspectives* provides a breadth of information on the nature, scope, history and evolution of social geography along with a good representation of approaches and techniques used in this field. It discusses both conceptual and empirical approaches, and traditional and emergent social geography themes including art and culture, urbanism and crime, social institutions of caste, class and religion, gender, disability, activism, feminism, social planning, enterprise zones, social and economic inequities, post-colonialism, post-modernism and development of quantitative, qualitative and mixed methods. India's social structure based on centuries-old Karma principles and a four-level caste system are dealt with in this book to help unravel the country's social geography.

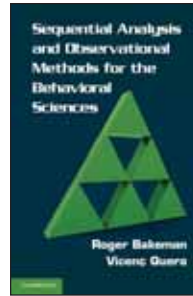
This book is a felicitation volume in honour of Allen G. Noble, Distinguished Professor Emeritus of Geography and Planning at the University of Akron, Ohio, USA. A result of the collective effort of 40 leading national and international scholars, it is an excellent addition to the current stock of knowledge and will be of interest to geographers, sociologists, demographers, urban and regional planners and policy-makers.

HB	A	
9788175968011	666pp	Rs. 1480.00

**Psychology**

**Sequential Analysis and Observational Methods for the Behavioral Sciences**

Roger Bakeman & Vicenç Quera



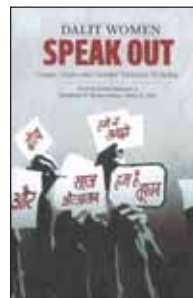
Provides a thorough grounding in observational methods along with considerable practical advice. Behavioral scientists use observational methods to study relatively natural, spontaneous behavior as it unfolds in time. This book is rich with examples of coding methods and different approaches to sequential analysis, including both statistical and graphical means.

PB	TX	
9780521171816	198pp	\$ 37.99

**Gender Studies**

**Dalit Women Speak Out**  
Caste, Class and Gender Violence in India

Aloysius Irudayam S. J., Jayshree P. Mangubhai & Joel G. Lee



The right to equality regardless of gender and caste is a fundamental right in India. However, the Indian government has acknowledged that institutional forces arraigned against the right are powerful and shape people's mindsets to accept pervasive gender and caste inequality. This is no more apparent then when one visits Dalit women living in their caste-segregated localities. Vulnerably positioned at the bottom of India's gender, caste and class hierarchies, Dalit women experience the outcome of severely imbalanced social, economic and political power equations in terms of endemic caste-class-gender discrimination and violence.

The study presents an analytical overview of the complexities of systemic violence that Dalit women face through an analysis of 500 Dalit Women's narratives across four states. Excerpts of these narratives are utilized to illustrate the wider trends and patterns of different manifestations of violence against Dalit women. The study calls for the implementation of comprehensive preventive and punishment measures to eradicate caste-class-gender discrimination and violence against Dalit women in both public and private life, in conjunction with measures to fulfill their human rights.

HB	A	
9788189884697	465pp	Rs. 695.00
ZUBAAN		

**Criminology**

**Invisible No More**  
Understanding the  
Disenfranchisement of  
Latino Men and Boys

Pedro Noguera, Aida Hurtado & Edward Fergus (Eds.)



Latino men and boys in the United States are confronted with a wide variety of hardships that are not easily explained or understood. They are populating prisons, dropping out of high school, and are becoming overrepresented in the service industry at alarming degrees. Young Latino men, especially, have among the lowest wages earned in the country, a rapidly growing rate of HIV/AIDS, and one of the highest mortality rates due to homicide. Although there has been growing interest in the status of men in American society, there is a glaring lack of research and scholarly work available on Latino men and boys.

This groundbreaking interdisciplinary volume, edited by renowned scholars Pedro Noguera, Aida Hurtado and Edward Fergus addresses the dearth of scholarship and information about Latino men and boys to further our understanding of the unique challenges and obstacles that they confront during this historical moment. The contributors represent a cross section of disciplines from health, criminal justice, education, literature, psychology, economics, labor, sociology and more. By drawing attention to the sweeping issues facing this segment of the population, this volume offers research and policy a set of principles and overarching guidelines for decreasing the invisibility and thus the disenfranchisement of Latino men and boys.

PB	TX	
9780415877794	324pp	£ 31.99

ROUTLEDGE

**Mathematics**

**Expect The Unexpected**  
A First Course in  
Biostatistics

Raluca Balan & Gilles Lamothe



Statistical reasoning and modeling are of critical importance to modern biology. This textbook introduces fundamental concepts from probability and statistics which will pave the way for the student of biology to become a well-rounded scientist. No previous study of probability or statistics is assumed. Calculus topics are not used extensively in this book, though some integration and differentiation are expected. The calculus prerequisite is primarily intended to assure a certain level of mathematical maturity.

This book puts emphasis on examples, which are presented to motivate the theory. The presentation style is concise and self-contained, briefly including the mathematical elements that are needed for studying probability and statistics. The examples are relevant to students in the life sciences with interests in genetics, biology, ecology, health, etc.

We believe that aspects of probability theory are of biological interest and that probability underlies the theory of inferential statistics. Thus, we place an equal emphasis on probability and statistics which are both essential for solving and understanding many types of biological problems.

HB	TX	
9789814291323	252pp	\$ 60.00

WORLD SCIENTIFIC

**Modelling Turbulence in Engineering and the Environment**  
Second-Moment  
Routes to Closure

Kemal Hanjali & Brian Launder

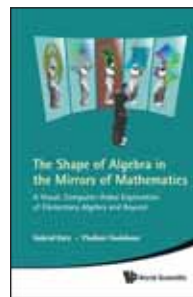


A rigorous, yet readable, account of advanced approaches to modelling turbulence suitable for use in CFD software. Extensive examples range from fundamental flows to complex industrial or environmental applications. This book is ideal for graduate students entering the world of turbulent flow CFD at the advanced level.

HB	TX	
9780521845755	402pp	£ 80.00

**The Shape of Algebra in the Mirrors of Mathematics**  
A Visual, Computer-Aided Exploration of Elementary Algebra and Beyond

Gabriel Katz & Vladimir Nodelman



*The Shape of Algebra in the Mirrors of Mathematics* is a unique text aiming to explain some elements of modern mathematics and to show its flavor and unity. It is neither a standard textbook nor a tour of algebra for a casual reader. Rather, it is an attempt to share authors' mathematical experiences and philosophy with readers who have more than a passing interest in mathematics, but only a traditional exposure to High School Algebra and some elements of Calculus. The book gives the readers a sense of visual nature of significant part of mathematics.

The reader becomes an owner of and a researcher in VisuMatica, a virtual math laboratory. It is an original and comprehensive PC software package (a brainchild of the second author) that will enable the reader to experience mathematics both as a human intellectual endeavor and as an experimental science. The book seeks to encourage an interactive, investigative style of learning that can promote the habits of mind characteristic of modern mathematical thinking.

The authors' goal is to present the reader with a fresh viewpoint on the sense and flavor of mathematics. The subject is often presented in a fashion that students find stale and un compelling. The book's emphasis, in contrast, is on how a modern practitioner thinks about and works within the discipline.

The book will enable readers to approach its content on three levels: the first level requires only some fluency with routine algebraic manipulations; the second also presumes familiarity with the notions of derivatives, and the third uses some basic concepts of multivariable calculus and linear algebra. All three levels are clearly marked in the text, and allow for a smooth reading enhanced by virtual experiments.

HB + CD-ROM	TX	
9789814313599	632pp	\$ 77.00

WORLD SCIENTIFIC

**Physics**

**Introduction to Quantum Field Theory**

*Roberto Casalbuoni*



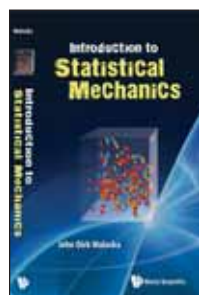
This book deals with quantum field theory, the language of modern elementary particles physics. Based on university lectures given by the author, this volume provides a detailed technical treatment of quantum field theory that is particularly useful for students; it begins with the quantization of the most important free fields, the scalar, the spin-1/2 and the photon fields, and is then followed by a detailed account of symmetry properties, including a discussion on global and local symmetries and the spontaneous breaking of symmetries. Perturbation theory, one-loop effects for quantum electrodynamics, and renormalization properties are also covered.

HB	TX	
9789814329347	288pp	\$ 79.00

WORLD SCIENTIFIC

**Introduction to Statistical Mechanics**

*John Dirk Walecka*



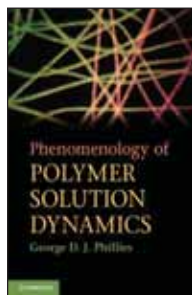
The science of statistical mechanics is concerned with defining the thermodynamic properties of a macroscopic sample in terms of the properties of the microscopic systems of which it is composed. The aim of this book is to provide a clear, logical, and self-contained treatment of equilibrium statistical mechanics starting from Boltzmann's two statistical assumptions, and to present a wide variety of applications to diverse physical assemblies. The coverage is enhanced and extended through an extensive set of accessible problems. An appendix provides an introduction to non-equilibrium statistical mechanics through the Boltzmann equation and its extensions. The book assumes introductory courses in classical and quantum mechanics, as well as familiarity with multi-variable calculus and the essentials of complex analysis. Some knowledge of thermodynamics is assumed, although the book starts with an appropriate review of that topic. The targeted audience is first-year graduate students, and advanced undergraduates, in physics, chemistry, and the related physical sciences. The goal of this text is to help the reader obtain a clear working knowledge of the very useful and powerful methods of equilibrium statistical mechanics and to enhance the understanding and appreciation of the more advanced texts.

PB	TX	
9789814366212	384pp	\$ 58.00

WORLD SCIENTIFIC

**Phenomenology of Polymer Solution Dynamics**

*George D. J. Phillies*



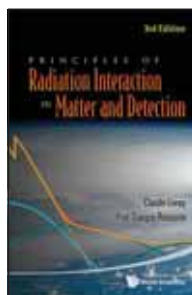
Presenting a completely new approach to examining how polymers move in non-dilute solution, this book focuses on experimental facts and concentrates on polymer solutions. Ideal for graduate students and researchers interested in polymer solutions, it presents every significant experimental method to give unprecedented coverage of polymers in solution.

HB	TX	
9780521875554	528pp	£ 70.00

**Principles of Radiation Interaction in Matter and Detection**

3rd Edition

*Claude Leroy & Pier-Giorgio Rancoita*



This book, like the first and second editions, addresses the fundamental principles of interaction between radiation and matter and the principles of particle detection and detectors in a wide scope of fields, from low to high energy, including space physics and medical environment. It provides abundant information about the processes of electromagnetic and hadronic energy deposition in matter, detecting systems, performance of detectors and their optimization.

The third edition includes additional material covering, for instance: mechanisms of energy loss like the inverse Compton scattering, corrections due to the Landau-Pomeranchuk-Migdal effect, an extended relativistic treatment of nucleus-nucleus screened Coulomb scattering, and transport of charged particles inside the heliosphere. Furthermore, the displacement damage (NIEL) in semiconductors has been revisited to account for recent experimental data and more comprehensive comparisons with results previously obtained.

This book will be of great use to graduate students and final-year undergraduates as a reference and supplement for courses in particle, astroparticle, space physics and instrumentation. A part of the book is directed toward courses in medical physics. The book can also be used by researchers in experimental particle physics at low, medium, and high energy who are dealing with instrumentation.

HB	TX	
9789814360517	1040pp	\$ 232.00

WORLD SCIENTIFIC

**Quantum Mechanics**  
Its Early Development and the Road to Entanglement and Beyond  
New Englarged Edition

Edward G. Steward



This book provides the reader with an explanation of the origin and establishment of quantum mechanics together with a descriptive survey of developments up to the present day. The mathematics is presented in a digestible form yet following the original approach.

This second edition presents two new chapters to supplement and extend the first edition material. "Interpretations of Quantum Mechanics" surveys a wide range of current topics, including the multiverse, 't Hooft's ideas for a deterministic local field theory, a summary of the de Broglie-Bohm pilot-wave theory and Anthony Valentini's development of it, and speculative concluding comments on the way ahead.

"A Reflective Interlude" looks in more detail than hitherto at the origin and early years of wave-particle duality, with emphasis on trying to discover, as far as possible, what was the physical reality implied by de Broglie's work as it progressed.

Appendices include useful reminder notes on associated background topics, with a new appendix "Planck Units".

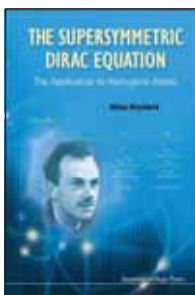
With references to the original works, to reviews and useful bibliographies, the reader is uniquely well-equipped to delve further into the subject.

In addition to its importance for those studying physics, this book is also intended for those studying the history of science.

PB	TX	
9781848167704	340pp	\$ 69.00
WORLD SCIENTIFIC		

**The Supersymmetric Dirac Equation**  
The Application to Hydrogenic Atoms

Allen Hirschfeld



The solution of the Dirac equation for an electron in a Coulomb field is systematically treated here by utilizing new insights provided by supersymmetry.

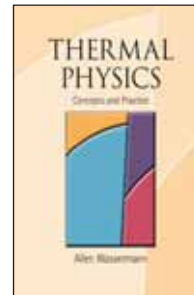
It is shown that each of the concepts has its analogue in the non-relativistic case. Indeed, the non-relativistic case is developed first, in order to introduce the new concepts in a familiar context. The symmetry of the non-relativistic model is already present in the classical limit, so the classical Kepler problem is first discussed in order to bring out the role played by the Laplace vector, one of the central concepts of the whole book. Analysis of the concept of eccentricity of the orbits turns out to be essential to understanding the relation of the classical and quantum mechanical models.

The opportunity is taken to relive the great moments of physics: From Kepler's discovery of the laws of motion of the planets, the development is traced through the Dirac equation up to modern advances, which bring the concepts of supersymmetry to bear on the derivation of the solutions.

HB	TX	
9781848167971	216pp	\$ 75.00
WORLD SCIENTIFIC		

**Thermal Physics**  
Concepts and Practice

Allen L. Wasserman



Linking thermal physics and quantum mechanics in a natural way, this unique book explores the application of thermal physics using quantum theory as the starting point. It applies the principles to familiar, practical and unusual situations to give advanced undergraduate and graduate students a modern appreciation for this remarkable subject.

HB	TX	
9781107006492	318pp	£ 40.00

**Engineering**

TEXTBOOK

**Optimization Concepts and Applications in Engineering**

Ashok D. Belegundu & Tirupathi R. Chandrupatla



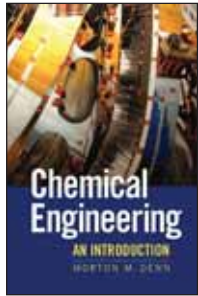
It is vitally important to meet or exceed previous quality and reliability standards while at the same time reducing resource consumption. This textbook addresses this critical imperative integrating theory, modeling, the development of numerical methods and problem solving, thus preparing the student to apply optimization to real-world problems. This text covers a broad variety of optimization problems using: unconstrained, constrained, gradient and non-gradient techniques; duality concepts; multiobjective optimization; linear, integer, geometric and dynamic programming with applications; and finite element based optimization. In this revised and enhanced second edition of *Optimization Concepts and Applications in Engineering*, the already robust pedagogy has been enhanced with more detailed explanations, an increased number of solved examples and end-of-chapter problems. The source codes are now available free on multiple platforms. It is ideal for advanced undergraduate or graduate courses and for practising engineers in all engineering disciplines, as well as in applied mathematics.

PB	T	
9781107606227	478pp	Rs. 695.00

TEXTBOOK

**Chemical Engineering**  
An Introduction

Morton Denn



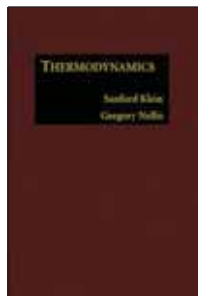
'Chemical engineering is the field of applied science that employs physical, chemical, and biological rate processes for the betterment of humanity'. This has been the underlying paradigm of chemical engineering. *Chemical Engineering: A New Introduction* enables the student to explore the activities in which a modern chemical engineer is involved by focusing on mass and energy balances in liquid-phase processes.

PB	TX	
9781107669376	280pp	\$ 48.00

TEXTBOOK

**Thermodynamics**

Sanford Klein  
& Gregory Nellis

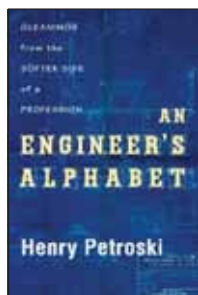


This thermodynamics text provides engineering students and practitioners with the concepts, tools and experience needed to solve practical realistic energy problems by integrating computer tools with thermodynamic concepts.

HB	TX	
9780521195706	1104pp	\$ 155.00

**An Engineer's Alphabet**  
Gleanings from the Softer Side of a Profession

Henry Petroski

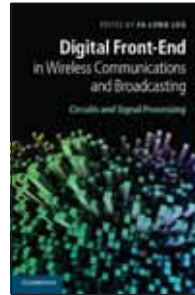


Written by America's most famous engineering storyteller and educator, this abecedarian is one engineer's selection of thoughts, quotations, anecdotes, facts, and arcana relating to the practice, history, and traditions of his profession. The entries range from brief essays to lists of great achievements. This work is organized alphabetically and is more like a dictionary than an encyclopedia.

HB	TX	
9781107015067	368pp	\$ 21.99

**Digital Front-End in Wireless Communications and Broadcasting**  
Circuits and Signal Processing

Fa-Long Luo (Ed.)



Covering everything from signal processing algorithms to integrated circuit design, this complete guide to digital front-end is invaluable for professional engineers and researchers. Showing how theory is translated into practical technology, it provides step-by-step design information, as well as relevant background theory and implementation examples from real-world systems.

HB	TX	
9781107002135	788pp	£ 100.00

**Digital Signal Compression**  
Principles and Practice

William A. Pearlman  
& Amir Said

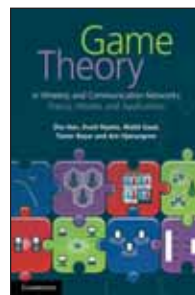


Providing clear coverage of the fundamental concepts and coding methods, whilst retaining technical depth and rigor, this book contains a wealth of illustrations, examples and step-by-step worked algorithms. It is an ideal textbook for senior undergraduate and graduate students, as well as a useful self-study tool for researchers and professionals.

HB	TX	
9780521899826	440pp	£ 50.00

**Game Theory in Wireless and Communication Networks**  
Theory, Models, and Applications

Zhu Han, Dusit Niyato,  
Walid Saad, Tamer Basar  
& Are Hjorungnes

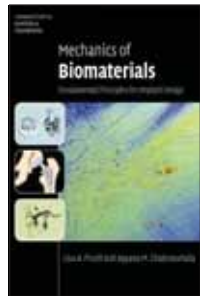


This unified treatment of game theory focuses on finding state-of-the-art solutions to issues surrounding the next generation of wireless and communications networks. The key results and tools of game theory are covered, as are various real-world technologies and a wide range of techniques for modeling, design and analysis.

HB	TX	
9780521196963	554pp	£ 80.00

**Mechanics of Biomaterials**  
Fundamental Principles for Implant Design

Lisa A. Pruitt & Ayyana M. Chakravartula

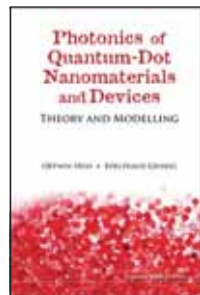


Teaching mechanical and structural biomaterial concepts for successful implant design, this self-contained text is suitable for engineers, scientists and clinicians. Medical device case studies (including orthopedics, cardiovascular medicine, dentistry and soft tissues), step-by-step design guidelines and problem sets throughout, make this book ideal for course use and for self study.

HB	TX	
9780521762212	696pp	£ 65.00

**Photonics of Quantum-Dot Nanomaterials and Devices**  
Theory and Modelling

Ortwin Hess & Edeltraud Gehrig



Quantum dot nano structures are interesting for applications in information technology and play a growing role in data storage, medical and biological applications. Understanding quantum nanomaterials is thus the key for the conception and optimization of novel structures.

This monograph gives an overview of the theory and introduces the concepts of advanced computational modelling of quantum dot nanomaterials and devices ranging from phenomenological models up to fully quantum theoretical description.

HB	TX	
9781848165212	284pp	\$ 82.00
WORLD SCIENTIFIC		

**Random Matrix Methods for Wireless Communications**

Romain Couillet & Merouane Debbah



Blending theoretical results with practical applications, this book provides an introduction to random matrix theory and shows how it can be used to tackle a variety of real-world problems in wireless communications. Intuitive yet rigorous, it demonstrates how to choose the correct approach for obtaining mathematically accurate results.

HB	TX	
9781107011632	568pp	£ 60.00

**Medicine**

**Abnormal Uterine Bleeding**

Malcolm G. Munro

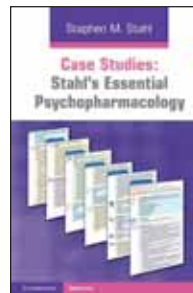


Abnormal uterine bleeding (AUB) is a common presenting symptom for both gynecologists and family practitioners with complex etiology and challenging differential diagnosis. Many cases of AUB can be managed effectively with hormonal, anti-inflammatory or antifibrinolytic agents. Although surgical management may include hysterectomy, more often one of a variety of less invasive, uterus-sparing procedures provides an effective and satisfactory clinical outcome. Effective management of women with AUB is enhanced by an understanding of the relevant basic sciences and the various mechanisms by which symptoms evolve. This includes clinical evaluation, the application of appropriate laboratory and imaging techniques and the identification of a customized menu of potential therapeutic interventions. Written by a leading practitioner, the approach includes advice on history taking, clinical examination and appropriate therapy. Basic science aspects are limited to what is really relevant to the clinicians. The accompanying DVD includes videos, animations, color images and patient support material to facilitate learning. A spectrum of providers and trainees will find this book to be an invaluable resource, including those from primary care, gynecology and family planning.

PB	T	
9781107603738	264pp	Rs. 495.00

**Case Studies: Stahl's Essential Psychopharmacology**

Stephen M. Stahl

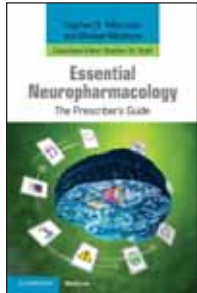


Designed with the distinctive, user-friendly presentation Dr Stahl's audience know and love, this new stream of Stahl books capitalize on Dr Stahl's greatest strength - the ability to address complex issues in an understandable way and with direct relevance to the everyday experience of clinicians. The book describes a wide-ranging and representative selection of clinical scenarios, making use of icons, questions/answers and tips. It follows these cases through the complete clinical encounter, from start to resolution, acknowledging all the complications, issues, decisions, twists and turns along the way. The book is about living through the treatments that work, the treatments that fail, and the mistakes made along the journey. This is psychiatry in real life - these are the patients from your waiting room - this book will reassure, inform and guide better clinical decision making.

PB	T	
9781107606166	500pp	Rs. 995.00

**Essential Neuropharmacology**  
The Prescriber's Guide

Stephen D. Silberstein  
& Michael J. Marmura



*Essential Neuropharmacology: The Prescriber's Guide* expertly reviews the most important medications used by neurologists in their practice. Experienced clinicians share their expert knowledge about the best use of medications in patient care. Each drug listing contains the range of indications, their advantages and disadvantages, and tips for dosing and avoiding adverse effects. Experts in fields such as multiple sclerosis, movement disorders, neuromuscular disorders, epilepsy, stroke, pain and headache summarize how neurologists use these medications to their best effect, and discuss off-label uses in neurology. Evidence is taken from recent clinical trials, which helps the reader relate the content to everyday clinical practice. The detailed descriptions of each medication enable the user to make quick and informed decisions with the confidence they need to best serve the clinical needs of their patients. This book is an essential, user-friendly reference suitable for all neurologists at all stages of their careers.

PB	T	
9781107606265	420pp	Rs. 1095.00

**Hypertension in Pregnancy**

Alexander Heazell, Errol R. Norwitz, Louise C. Kenny & Philip N. Baker

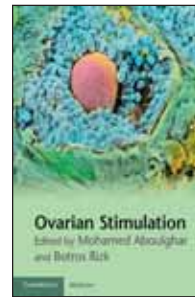


Hypertensive disorders are among the most common medical complications of pregnancy, with an incidence of approximately 6-10%. This spectrum of conditions includes essential hypertension, pre-eclampsia and HELLP syndrome. For patients with pre-existing hypertension, management ideally commences prior to conception, and continues through pregnancy to the postnatal period. This book provides information on the evidence-based management of women with hypertension throughout pregnancy, supported by important background information on the etiology, risk-factors and pathophysiology of these disorders. Illustrated with accompanying algorithms, tables and lists for quick reference on diagnostic criteria, drugs and side-effects, this book will help clinicians rapidly gain access to the information they need to care for these patients. This will be of interest to all grades of obstetric trainees as well as specialists, obstetric anesthetists and anesthetic trainees, midwives and maternal-fetal physicians.

PB	T	
9781107629363	208pp	Rs. 350.00

**Ovarian Stimulation**

Mohamed Aboulghar & Botros Rizk (Eds.)

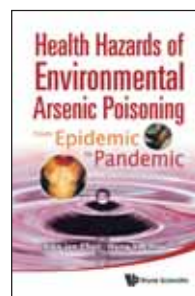


*Ovarian Stimulation* covers all the basic and advanced aspects of ovarian stimulation for women undergoing ovulation induction and assisted reproduction. It gives a comprehensive review of the modern approach to ovarian stimulation and its alternatives - both in IVF and in other areas of reproductive endocrinology where it is employed. The book is divided into six sections that cover mild forms, non-conventional forms, IVF, complications and their management, alternatives, and procedures. The chapters are clearly written and well illustrated, discussing a wide range of relevant topics, including the protocols of gonadotropin, oral agents for ovulation induction, aromatase inhibitors and surgical induction of ovulation, ovarian hyperstimulation syndrome, and alternatives to drug treatment. Written by leading experts on reproductive health and fertility, it will assist infertility specialists, gynecologists, reproductive endocrinologists and radiologists in determining their patients' treatment.

PB	A	
9781107015814	288pp	Rs. 695.00

**Health Hazards of Environmental Arsenic Poisoning**  
From Epidemic to Pandemic

Chien-Jen Chen & Hung-Yi Chiou (Eds.)



This book covers the entire spectrum of health effects induced by chronic arsenic poisoning, which is prevalent in more than 30 countries due to the use of unclean underground water, a result of surface water pollution and shortage. This environmental health disaster has been considered more catastrophic than the Chernobyl nuclear plant explosion in the former Soviet Union and the Bhopal chemical plant explosion in India.

All contributors to this review volume have done extensive research on arsenic poisoning and published excellent papers in internationally well-known journals. *Health Hazards of Environmental Arsenic Poisoning* includes reviews of the state-of-the-art literature and cutting-edge scientific evidence on arsenic-related health effects. It is also an important source of valuable information for health care workers, environmental scientists and epidemiologists, as well as public health practitioners.

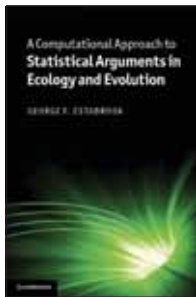
HB	TX	
9789814291811	256pp	\$ 99.00

WORLD SCIENTIFIC

**Life Sciences**

**A Computational Approach to Statistical Arguments in Ecology and Evolution**

*George Estabrook*

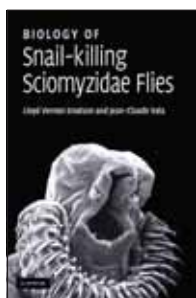


Ideal for researchers who want to take control of their own statistical arguments, this book teaches powerful computational methods to test hypotheses without the constraints and sophisticated mathematics of classical statistics. Examples of spreadsheet macros and real world applications are provided throughout to illustrate the concepts and techniques described.

HB	TX	
9781107004306	266pp	£ 40.00

**Biology of Snail-Killing Sciomyzidae Flies**

*Lloyd Vernon Knutson & Jean-Claude Vala*



Written for researchers in entomology, this is the first comprehensive analysis of the Sciomyzidae 'snail-killing' flies. All major aspects of the Sciomyzidae are discussed, including behaviour, ecology, life-cycles, and morphology. Detailed keys are presented to aid identification and a checklist of species provides information on geographical range and type specimens.

HB	TX	
9780521867856	526pp	£ 85.00

**Successful Science Communication Telling It Like It Is**

*David J. Bennett & Richard C. Jennings (Eds.)*



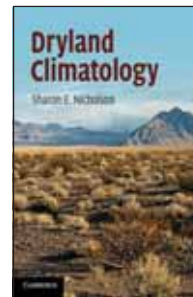
Bringing together more than 30 experienced and successful science communicators from across the academic, commercial and media worlds 'telling it like it is', this practical, one-stop resource is essential reading for practising scientists and other professionals who want to share their knowledge.

PB	TX	
9780521176781	492pp	£ 27.99

**Earth and Environmental Science**

**Dryland Climatology**

*Sharon E. Nicholson*



This book provides a comprehensive overview of dryland climates and their relationship to the physical environment, vegetation, hydrology, and inhabitants. Packed with photographs and an extensive review of the primary literature, this is a unique interdisciplinary resource for researchers, environmental professionals and advanced students in fields from climatology to geomorphology.

HB	TX	
9780521516495	528pp	£ 95.00

**Phytoplankton Pigments Characterization, Chemotaxonomy and Applications in Oceanography**

*Suzanne Roy, Carole Llewellyn, Einar Skarstad Egeland & Geir Johnsen (Eds.)*

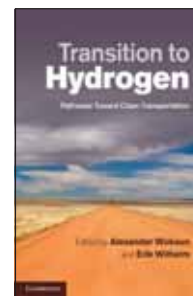


Pigments act as tracers to elucidate the fate of phytoplankton in the oceans, often associated with important biogeochemical cycles. This book describes recent advances in the study and use of phytoplankton pigments. Invaluable as a reference for students, researchers and professionals in aquatic science, biogeochemistry and remote sensing.

HB	TX	
9781107000667	874pp	£ 85.00

**Transition to Hydrogen Pathways Toward Clean Transportation**

*Alexander Wokaun & Erik Wilhelm (Eds.)*



This book is a comprehensive and objective guide to understanding hydrogen as a transportation fuel. The effects that pursuing different vehicle technology development paths will have on the economy, the environment, public safety and human health are presented with implications for policy makers, industrial stakeholders and researchers alike.

HB	TX	
9780521192880	272pp	£ 65.00

## Astronomy

### Handbook of X-ray Astronomy

Keith Arnaud, Randall Smith & Aneta Siemiginowska (Eds.)



Written for graduate students, professional astronomers and researchers, this book is a practical guide to x-ray astronomy. It describes the main hardware used in x-ray astronomy, emphasizing the implications for data analysis, and explains the concepts behind common x-ray astronomy data analysis software.

HB	TX	
9780521883733	206pp	£ 35.00

## Nanotechnology

### Structure and Properties of Atomic Nanoclusters

2nd Edition

Julio A. Alonso



Atomic clusters are aggregates of atoms containing a few to several thousand atoms. Due to the small size of these pieces of matter, the properties of atomic clusters in general are different from those of the corresponding material in the macroscopic bulk phase. This monograph presents the main developments of atomic clusters and the current status of the field. The book treats different types of clusters with very different properties: clusters in which the atoms or molecules are tied by weak van der Waals interactions, metallic clusters, clusters of ionic materials, and network clusters made of typical covalent elements. It includes methods of experimental cluster synthesis as well as the structural, electronic, thermodynamic and magnetic properties of clusters, covering both experiments and the theoretical work that has led to our present understanding of the different properties of clusters. The question of assembling nanoclusters to form solids with new properties is also considered.

Having an adequate knowledge of the properties of clusters can be of great help to any scientist working with objects of nanometric size. On the other hand, nanoclusters are themselves potentially important in fields like catalysis and nanomedicine.

HB	TX	
9781848167339	492pp	\$ 150.00

WORLD SCIENTIFIC

## Computer Science

### Software Testing

Yogesh Singh



Software Testing is conducted to provide stakeholders with information about the quality of a product under test. The book aims to present testing concepts and methods that can be implemented in practice. It has been developed as a result of the author's 20 years of teaching experience. The text will help to learn how to find software faults before it is made available to its users. A judicious mix of software testing concepts, solved examples and real-life case studies makes it ideal for a basic course on software testing. The book will be a useful resource for students, academicians, software practitioners and researchers.

Key features

- Presents the important concepts of software testing
- Discusses techniques that can be effectively applied in practice
- Promotes verification testing as an integral to modern software testing
- Explains the issues, challenges, and difficulties of testing web applications
- Provides important testing metrics and models
- Signifies the importance of automated test data generation along with search and constraint based testing
- Presents numerous solved examples and 200 practice exercises

HB	A	
9781107012967	650pp	Rs. 895.00

### Advanced Topics in Biometrics

Haizhou Li, Kar-Ann Toh & Liyuan Li (Eds.)



Biometrics is the study of methods for uniquely recognizing humans based on one or more intrinsic physical or behavioral traits. After decades of research activities, biometrics, as a recognized scientific discipline, has advanced considerably both in practical technology and theoretical discovery to meet the increasing need of biometric deployments. In this book, the editors provide both a concise and accessible introduction to the field as well as a detailed coverage on the unique research problems with their solutions in a wide spectrum of biometrics research ranging from voice, face, fingerprint, iris, handwriting, human behavior to multimodal biometrics. The contributions also present the pioneering efforts and state-of-the-art results, with special focus on practical issues concerning system development. This book is a valuable reference for established researchers and it also gives an excellent introduction for beginners to understand the challenges.

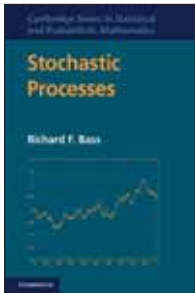
HB	TX	
9789814287845	516pp	\$ 144.00

WORLD SCIENTIFIC

**Statistics**

**Stochastic Processes**

Richard F. Bass



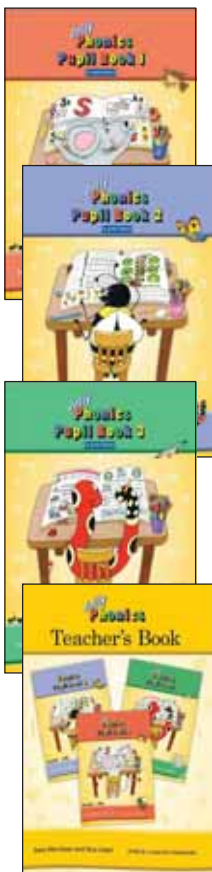
This comprehensive guide to stochastic processes covers a wide range of topics. Short, readable chapters aim for clarity rather than full generality and hundreds of exercises are included. Pitched at a level accessible to beginning graduate students, it is both a course book and a rich resource for individual readers.

HB	TX	
9781107008007	406pp	£ 45.00

**Education**

**Jolly Phonics**

Sara Wernham & Sue Lloyd



The *Jolly Phonics Pupil Books* cover all the five skills for reading and writing. Children are able to work through each book and complete a wide variety of engaging activities, which develop key literacy skills. These books can be given to each child in the class and provide daily lessons to be completed. The teacher is able to support and guide the children through the books with the *Jolly Phonics Teacher's Book*.

*Jolly Phonics Pupil Book 1* - covers all the 42 letter sounds, with the Jolly Phonics action, letter formation, listening for letter sounds in words, blending activities and the first set of tricky words.

*Jolly Phonics Pupil Book 2* - continues to build on the skills that the children have been taught in book 1. It introduces more tricky words, alternative letter sound spellings and basic sentence structure to encourage independent writing.

*Jolly Phonics Pupil Book 3* - continues further activities to consolidate the learning in books 1 & 2, as well as new spelling patterns, tricky words plus short and long vowels.

*Jolly Phonics Teacher's Book* - this accompanies books 1, 2 & 3. It provides daily guidance for each of the corresponding pages in Pupil Books 1, 2 & 3.

Pupil Book 1		
PB	S	
9781844141678	48pp	Rs. 99.00
Pupil Book 2		
PB	S	
9781844141685	48pp	Rs. 99.00
Pupil Book 3		
PB	S	
9781844141692	48pp	Rs. 99.00
Teacher's Book		
PB	S	
9781844141661	192pp	Rs. 225.00

JOLLY LEARNING

**Economics for the IB Diploma with CD-ROM**

2nd Edition

Ellie Tragakes



A comprehensive new edition of *Economics for the IB Diploma*. Written by a highly experienced author and former IB Economics Chief Examiner, this lively textbook offers comprehensive coverage of the Economics syllabus for the International Baccalaureate (IB) Diploma at both Standard and Higher Levels. The new edition has been extensively revised to meet the requirements of the new syllabus (effective 2011).

PB + CD-ROM	E	
9780521186407	576pp	£ 26.00

**Assessing Children's Learning**

Classic Edition

Mary Jane Drummond



"It is my sincere wish that the teachers of those thousands of children, who increasingly are also teacher educators, read and learn from *Assessing Children's Learning*. The hope is that they will go on to make a reality of the 'imaginary but not impossible classroom' and make moral judgements and choices in the best interests of children." - Sue Swaffield, Senior Lecturer - Educational Leadership and School Improvement, University of Cambridge, UK

"Not all education books are worth a tired teacher's spare time. This one is." - Times Educational Supplement, from a review of the first edition

Now featuring a brand new foreword by Sue Swaffield, this classic text, *Assessing Children's Learning*, examines some of the vital questions that teachers and other educators ask themselves as they assess children's learning across the curriculum.

The author sets out to offer an alternative to objective, mechanical approaches to assessment; she defines assessment as a process in which teachers look at children's learning, strive to understand it, and then put their understanding to good use in the classroom where children are given both trust and freedom to learn. Throughout the book, teachers are invited to consider the choices they make in the process of assessment, and to acknowledge their right, their responsibility and their power to act in the interests of children.

Now part of the *Routledge Education Classic Edition Series*, this influential, inspiring and timely book will introduce the ideas of Mary Jane Drummond to a new generation of teachers, practitioners and other education professionals.

PB	TX	
9780415686730	192pp	£ 22.99

ROUTLEDGE

**Changing Schools  
in an Era of  
Globalization**

John Chi-Kin Lee &  
Brian J. Caldwell



Much has been written about globalization and the challenge of preparing young people for the new world of work and life in times of complexity and continuous change. However, few works have examined how globalization has and will continue to shape education in the East. This volume discusses education within the context of globalization and examines what is occurring in schools and systems of education in the People's Republic of China, Hong Kong, Chinese Taipei, Singapore, and Australia. Closer examination of recent developments and current trends reveal the same turbulence and a range of common issues in areas such as assessment, curriculum, leadership, management of change, pedagogy, policy, professional capacity and technology. This volume demonstrates the commonalities and differences and offers tremendous insight into the way things are done in places where student achievement is high but there is also a sense of urgency in continuing an agenda of change.

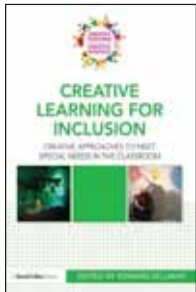
HB	TX	
9780415993302	234pp	£ 80.00

ROUTLEDGE

**Creative Learning  
for Inclusion**

Creative approaches  
to meet special needs  
in the classroom

Edward Sellman (Ed.)



Introducing creativity to the classroom is a concern for teachers, governments and future employers around the world, and there has been a drive to make experiences at school more exciting, relevant, challenging and dynamic for all young people, ensuring they leave education able to contribute to the global creative economy.

*Creative Learning to Meet Special Needs* shows teachers how to use creativity in the curriculum for key stages 2 and 3 to support the learning of pupils with special educational needs in a way which effectively engages them and leaves a lasting impact on their school experiences and later lives. Describing the different ways in which a creative approach can help pupils with SEN access the curriculum, with activities and practical materials for teachers, this book will explain:

why creativity is central to making the curriculum accessible

how to use personalised learning with pupils with SEN

how to promote achievements and motivation through creative experiences

how the curriculum can be extended and represented in innovative ways for pupils with SEN

how to use interactive methods of teaching and alternative methods of communication.

Providing case studies and examples of the ways in which teachers have delivered the curriculum creatively to pupils with special educational needs, this book is an invaluable guide for all those involved in teaching and engaging young people with special needs.

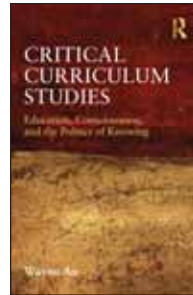
PB	TX	
9780415570817	104pp	£ 18.99

ROUTLEDGE

**Critical  
Curriculum  
Studies**

Education,  
Consciousness, and  
the Politics of  
Knowing

Wayne Au



*Critical Curriculum Studies* offers a novel framework for thinking about how curriculum relates to students' understanding of the world around them. Wayne Au brings together curriculum theory, critical educational studies, and feminist standpoint theory with practical examples of teaching for social justice to argue for a transformative curriculum that challenges existing inequity in social, educational, and economic relations. Making use of the work of important scholars such as Freire, Vygotsky, Hartssock, Harding, and others, *Critical Curriculum Studies*, argues that we must understand the relationship between the curriculum and the types of consciousness we carry out into the world.

PB	TX	
9780415877121	128pp	£ 20.99

ROUTLEDGE

**Cross-Curricular  
Teaching and  
Learning in the  
Secondary  
School...  
Humanities**

History, Geography,  
Religious Studies and  
Citizenship

Richard Harris, Simon  
Harrison & Richard  
McFahn



What is the role of the humanities in the modern school? Should geography, history, RE and Citizenship teachers remain faithful to long-standing subject cultures and pedagogies? Or is there another way to consider how the curriculum, and the notion of individual subjects and teachers' pedagogy, could be constructed?

Drawing on case studies taken from a range of innovative secondary schools, and interrogating the use of cross-curricular approaches in UK schools, *Cross-Curricular Teaching and Learning in Humanities* constructs a research based pedagogy with practical steps for students and teachers as they consider how cross-curricular approaches can be implemented in their own subject areas.

Key features include:

- Clear theoretical frameworks for cross-curricular processes of teaching and learning in the humanities
- Lively and engaging text that blends key issues with stories of current practice
- An analysis of the use of assessment, enquiry, and pupil talk as key components in building a cross-curricular approach to the humanities
- Practical and reflective tasks that enable the reader to apply their reading to day to day practice, alongside links to professional standards
- Summaries of key research linked to suggestions for further reading
- Professional development activities to promote cross-curricular dialogue

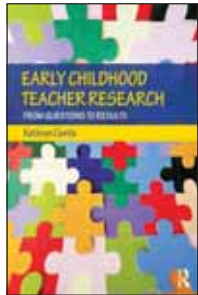
Part of the *Cross-Curricular Teaching and Learning in the Secondary School* series, this timely interdisciplinary textbook is essential reading for all students on Initial Teacher Training courses and practising teachers looking to holistically introduce cross-curricular themes and practices in secondary Humanities teaching.

PB	TX	
9780415561891	164pp	£ 21.99

ROUTLEDGE

**Early Childhood Teacher Research**  
From Questions to Results

Kathryn Castle



What is early childhood teacher research and why is it important? How does a teacher researcher formulate a research question and a plan for doing research? How do teachers apply research results to effect change? *Early Childhood Teacher Research* is an exciting new resource that will address the sorts of questions and concerns that pre- and in-service teachers of young children frequently have when engaging in teacher research.

Accessible and interactive, this book touches upon the important issues every early childhood teacher should know - the uniqueness of early childhood teacher research, reasons for doing it, and how to do it. In this comprehensive guide, Kathryn Castle explores each stage of teacher research, from conceptualization, generating research questions, identifying data sources, gathering and analyzing data, interpreting results, sharing results, to taking action based on results.

Special features included in each chapter:

- Teacher Researcher Journal prompts for the reader to record ideas for research questions and to develop a plan for doing research.
- From the Field provides rich examples of real life early childhood teacher researchers and their perspectives on doing teacher research.
- Reflections ask readers to pause and think deeply about relating content to their own situations.
- Exploration of additional content, websites, resources, and activities are located in each chapter to help the reader go further in constructing their knowledge of teacher research.

PB	TX	
9780415877596	194pp	£ 17.99
ROUTLEDGE		

**Education and Sustainability**  
Learning Across the Diaspora, Indigenous, and Minority Divide

Seonagh MacPherson



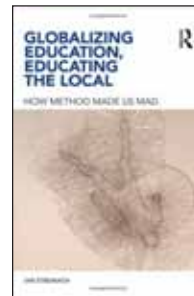
This book critically examines the impact of migration, education, development, and the spread of English on global bio-linguistic and cultural diversity. Derived from findings from a comparative eco-linguistic study of intergenerational language, culture, and education change in the Tibetan Diaspora, the book extends its analysis to consider the plight of other peoples who find themselves straddling the Indigenous-Minority-Diaspora divide. MacPherson explores the overlapping and distinctive sustainability challenges facing indigenous and minority communities when they are connected by and within diasporas, and seeks to adequately explain the discontinuities and disjunctures between their educational struggles and achievement levels.

HB	TX	
9780415882156	292pp	£ 80.00
ROUTLEDGE		

**Globalizing Education, Educating the Local**

How Method Made us Mad

Ian Stronach



This book offers a critical and deconstructive account of global discourses on education, arguing that these overblown 'hyper-narratives' are neither economically, technically nor philosophically defensible. Nor even sane. Their 'mythic economic instrumentalism' mimic rather than meet the economic needs of global capitalism in ways that the Crash of 2008 brings into vivid disarray. They reduce national education to the same 'hollowed out' state as national capitalisms, subject to global pseudo-accountancy and fads. The book calls for a philosophical and methodological revolution, arguing for more transformative narratives that remodel qualitative inquiry, particularly in addressing a more performative rather than representative ideal.

The first part of the book aims to critique, deconstruct and satirise contemporary assumptions about educational achievement and outputs, the nature of contemporary educational discourses, and the nature of the professionalism that sustain them. The second part offers innovative postmodernist ways of reconstructing a theory and methodology that aims at 'educating the local' rather than succumbing to the fantasies of the universal.

This is a very timely book in that the economic crisis re-exposes the mythic nature of education-economic linkages, putting discourses prefaced on such 'connections' into parallel crisis. Our global educational discourses have also crashed, and new futures need urgently to be found. Such a 'turnaround' is both proposed and argued for. The book will appeal to a wide range of readers who are committed to educational and cultural change, and who are interested in a new politics of education. It will have an immediate relevance and appeal in the UK, USA, Australia and New Zealand in particular.

PB	TX	
9780415619127	230pp	£ 24.99
ROUTLEDGE		

**International Case Studies of Dyslexia**

Peggy L. Anderson & Regine Meier-Hedde (Eds.)



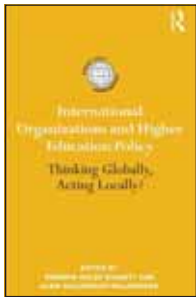
Dyslexia is a disability that exists in all countries that have high expectations for literacy. The inability to read in spite of normal intellectual potential represents one of the most puzzling educational challenges for literate societies, regardless of the culture or language. This book examines medical, psychological, educational, and sociological data from comprehensive case studies of preteen dyslexic children, in order to profile the disability as it occurs in seventeen different nations. Interviews with the children and their parents reveal how children with dyslexia are identified and treated around the world, and provide a look at various perceptions of dyslexia and its challenges. Researchers and practitioners in education, psychology, and health-related professions will find this case book to be an excellent reference. Parents of children with dyslexia will find the advocacy recommendations helpful.

HB	TX	
9780415884372	328pp	£ 80.00
ROUTLEDGE		

**International Organizations and Higher Education Policy**

Thinking Globally, Acting Locally?

Roberta Malee Bassett & Alma Maldonado-Maldonado (Eds.)



Higher Education operates in an increasingly global context, and yet the examination of what drives and moves the field has remained largely focused on domestic campus leaders, national governments and institutional actors. *International Organizations and Higher Education Policy* expands the analysis to include the global drivers behind higher education policy, including a full array of influential organizations such as the World Bank, UNESCO, OECD, WTO, bilateral aid agencies and major private foundations. The significance of these organizations is especially pronounced in the developing world, where the expansion of higher education is happening in conjunction with the broadening influence of globalization.

*International Organizations and Higher Education Policy* critically analyses the impact that these influential organizations have at different levels of policy development and implementation around the world. It examines their role in higher education institutions, examines the strength of these relationships, and exposes both the positive and negative implications.

This edited volume is composed of scholars and members of these organizations from around the world. They address:

- How international organizations represent the interests of the developed world and subsequently have an impact on the developing world.
- How these organizations drive and shape the global agenda for higher education
- How higher education as an international industry is subject to a myriad of influences, from the international to the regional level
- What ethical issues emerge when international organizations intervene in national policy-making processes.

PB	TX	
9780415890830	316pp	£ 30.99
ROUTLEDGE		

**Islamic Education and Indoctrination**  
The Case in Indonesia

Charlene Tan



Islamic schools, especially madrasahs, have been viewed as sites of indoctrination for Muslim students and militants. Some educators and parents in the United States have also regarded introductory courses on Islam in some public schools as indoctrinatory. But what do we mean by "indoctrination"? And is Islamic education indoctrinatory?

This book critically discusses the concept of indoctrination in the context of Islamic education. It explains that indoctrination occurs when a person holds to a type of beliefs known as control beliefs that result in ideological totalism. Using Indonesia as an illustrative case study, the book expounds on the conditions for an indoctrinatory tradition to exist and thrive. Examples include the Islamic school co-founded by Abu Bakar Ba'asyir and the militant organisation Jemaah Islamiyah. The book further

proposes ways to counter and avoid indoctrination through formal, non-formal, and informal education. It argues for the creation and promotion of educative traditions that are underpinned by religious pluralism, strong rationality, and strong autonomy. Examples of such educative Muslim traditions in Indonesia will be highlighted.

Combining philosophical inquiry with empirical research, this book is a timely contribution to the study of contemporary and often controversial issues in Islamic education.

HB	TX	
9780415879767	208pp	£ 80.00
ROUTLEDGE		

**Key Persons in the Early Years**

Building relationships for quality provision in early years settings and primary schools

2nd Edition

Peter Elfer, Elinor Goldschmied & Dorothy Selleck



*Key Persons in the Early Years* aims to explain what a Key Person is, the theory behind the approach and the practicalities of implementation. Practical in its approach and containing case studies as examples of reflective practice, this second edition details the role of the Key Person across all ages in the early years. This new edition has been fully updated in line with the EYFS and features a new chapter on the Key Person approach with 3-5 year olds.

The book offers guidance on:

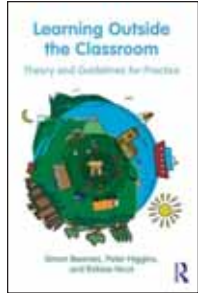
- making the Key Person approach work in your setting with realistic strategies;
- the benefits of this approach for children's well being, for their learning and to ensure equal chances for all children;
- potential challenges and problems and how to overcome them drawing on accounts from practitioners of their journey in implementing this approach.

This book will be an essential text for practitioners and students who wish to fully understand the Key Person role and how it can benefit children, parents and their setting.

PB	TX	
9780415610391	164pp	£ 19.99
ROUTLEDGE		

**Learning Outside the Classroom**  
Theory and Guidelines for Practice

Simon Beames, Pete Higgins & Robbie Nicol



*Learning Outside the Classroom* outlines theory and practice that will enable and encourage teachers to systematically and progressively incorporate meaningful outdoor learning opportunities into their daily teaching activities in a wide variety of environments and with diverse populations of pupils. This is the first textbook based around the curriculum for prospective and practising primary and secondary teachers and other outdoor educators. The principles and examples presented are intended to be adapted by teachers to suit the needs of their students in ways that draw upon content offered by the local landscape and its natural and built heritage. Although the focus of this book is 'the real world' beyond the classroom, it is also about good teaching - wherever it takes place. While there are chapters on practical issues such as risk-management and supervising groups outdoors, the chapters on curriculum, sustainability, curiosity, responsibility, and educational communities will serve as a valuable guide for anyone interested in applying educational theory to practice.

PB	TX	
9780415893626	130pp	£ 18.99
ROUTLEDGE		

**Placing Students at the Heart of Creative Learning**

Nick Owen (Ed.)



*Placing Students at the Heart of Creative Learning* shows teachers of key stages 2 and 3 how to introduce creativity into what is often seen as a prescriptive and stifling curriculum, and addresses the tensions that can exist between the requirement to follow the curriculum and the desire to employ innovative pedagogies. It offers readers a range of practical and realistic ways that curriculum changing ideas can be applied to individual projects, classrooms and even entire schools.

This book tracks the imaginative initiatives undertaken by six schools as they have worked to change their curriculum and teaching in order to put student experiences at the core of the learning process. Stating its observations and suggestions in a refreshingly straightforward and practicable manner, this book explores:

- Why a new creative curriculum is needed for the 21st century
- How to encourage teachers and pupils to 'own' the curriculum
- The role that pupil voice plays in a creative curriculum
- The environment needed to creatively manipulate the curriculum
- How to introduce innovation to teaching practice
- What actually works - considering the limits and possibilities of creative pedagogy

Providing case studies and examples of the ways in which teachers have delivered the curriculum in a creative way, *Placing Students at the Heart of Creative Learning* is an invaluable beneficial guide for all those involved in engaging and teaching young people in key stages 2 and 3.

PB	TX	
9780415570015	152pp	£ 18.99
ROUTLEDGE		

**Science, Society and Sustainability Education and Empowerment for an Uncertain World**

Donald Gray, Laura Colucci-Gray & Elena Camino (Eds.)

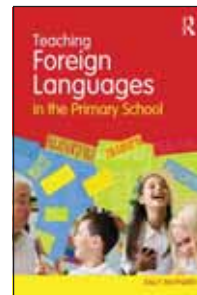


Recent work in science and technological studies has provided a clearer understanding of the way in which science functions in society and the interconnectedness among different strands of science, policy, economy and environment. It is well acknowledged that a different way of thinking is required in order to address problems facing the global community, particularly in relation to issues of risk and uncertainty, which affect humanity as a whole. However, approaches to education in science tend to perpetuate an outmoded way of thinking that is incommensurable with preparing individuals for participation and decision-making in an uncertain, complex world. Drawing on experiences of interdisciplinary dialogue and practice in a higher education context, this book illustrates how reformulating the agenda in science and technology can have a revolutionary impact on learning and teaching in the classroom at all levels. This exceptional study will interest scholars in Education, Science, Technology, and Society, and those looking to further deliberative democracy and civic participation in their students.

PB	TX	
9780415897952	224pp	£ 23.50
ROUTLEDGE		

**Teaching Foreign Languages in the Primary School**

Sally Maynard



*Teaching Foreign Languages in the Primary School* is for every teacher - whether generalist or specialist, trainee or experienced - wanting to confidently introduce foreign language teaching into their classroom.

Based on the author's extensive experience of teaching across Key Stages 1-2, this book provides practical strategies that can be easily implemented in your setting. Offering comprehensive guidance on the pedagogy that underpins language teaching, it covers everything you'll need to teach foreign languages effectively:

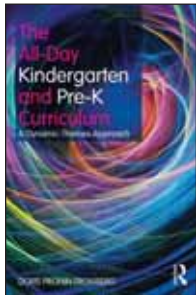
- Planning, teaching and assessment
- Pedagogical approaches
- Integrating primary languages across the curriculum
- Where to find and how to use good resources
- Using TAs effectively to support language learning
- Inclusive practice
- Using ICT in language teaching
- How to promote children's intercultural understanding

Illustrated with useful lesson ideas and a range of examples from the classroom, *Teaching Foreign Languages in the Primary School* is an indispensable source of support for all student and practising primary school teachers.

PB	TX	
9780415557429	144pp	£ 19.99
ROUTLEDGE		

**The All-Day Kindergarten and Pre-K Curriculum**  
A Dynamic-Themes Approach

Doris Pronin Fromberg



Grounded in theory and research, *The All-Day Kindergarten and Pre-K Curriculum* provides an activity-based and classroom-proven curriculum for educators to consider as they plan and interact with pre-k and kindergarten children. Allowing young children the opportunities to become independent, caring, critical thinkers who feel comfortable asking questions and exploring possible solutions, the Dynamic Themes Curriculum offers children the skills they need for responsible citizenship and academic progress. This book describes a culturally-sensitive pre-k and kindergarten curriculum in the context of literacy, technology, mathematics, social studies, science, the arts, and play, and also discusses:

- How to use the seven integrated conditions for learning to meet and exceed content learning standards
- How to organize for differentiated instruction and to integrate multiple forms of assessment
- How to teach literacy tools and skills in fresh ways
- How to work with families, colleagues, and community

Building off of author Doris Fromberg's groundbreaking earlier work, *The All-Day Kindergarten and Pre-K Curriculum* presents a practical curriculum centering on how young children develop meanings. This is a fantastic resource for pre-and in-service early childhood teachers, administrators, and scholars.

PB	TX	
9780415881531	432pp	£ 24.99
ROUTLEDGE		

**The Routledge Companion to Education**

James Arthur & Andrew Peterson (Eds.)



Who are the key thinkers in education?  
What are the hot topics in education?  
Where will education go from here?

*The Routledge Companion to Education* presents the most comprehensive, up-to-date guide available to the key theories, themes and topics in education. Forty specially commissioned chapters, covering all aspects of education, introduce you to the ideas, research and issues that have shaped this most diverse, dynamic and fluid field.

- Part one provides an introduction to the key theories, thinkers and disciplines within education
- Part two covers ideas and issues about how, what and why learning takes place
- Part three includes analysis on particular approaches to education and explores the issues that attract much contemporary interest.

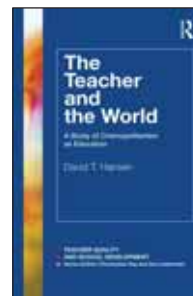
Written by an international team of expert contributors, the chapters all include a descriptive introduction, an analysis of the key ideas and debates, an overview of the latest research, key questions for research and carefully selected further reading.

*The Routledge Companion to Education* is a succinct, detailed, authoritative overview of the topics which are at the forefront of educational research and discourse today. This classic collection is a bookshelf essential for every student and scholar serious about the study of education.

PB	TX	
9780415583473	400pp	£ 25.00
ROUTLEDGE		

**The Teacher and the World**  
A Study of Cosmopolitanism as Education

David Hansen



Teachers the world over are seeking creative ways to respond to the problems and possibilities generated by globalization. Many of them work with children and youth from increasingly varied backgrounds, with diverse needs and capabilities. Others work with homogeneous populations and yet are aware that their students will encounter many cultural changes in their lifetimes. All struggle with the contemporary conditions of teaching; endless top-down measures to manipulate what they do, rapid economic turns and inequality in supportive resources that affect their lives and those of their students, a torrent of media stimuli that distract educational focus, and growth as well as shifts in population.

*In The Teacher and the World*, David Hansen provides teachers with a way to reconstruct their philosophies of education in light of these conditions. He describes an orientation toward education that can help them to address both the challenges and opportunities thrown their way by a globalized world. Hansen builds his approach around cosmopolitanism, an ancient idea with an ever-present and ever-beautiful meaning for educators. The idea pivots around educating for what the author calls reflective openness to new people and new ideas, and reflective loyalty toward local values, interests, and commitments.

The book shows how this orientation applies to teachers at all levels of the system, from primary through university. Hansen deploys many examples to illustrate how its core value, a balance of reflective openness to the new and reflective loyalty to the known, can be cultivated while teaching different subjects in different kinds of settings. The author draws widely on the work of educators, scholars in the humanities and social sciences, novelists, artists, travellers and others from both the present and past, as well as from around the world. These diverse figures illuminate the promise in a cosmopolitan outlook on education in our time.

In this pioneering book, Hansen has provided teachers, heads of school, teacher educators, researchers, and policy-makers a generative way to respond creatively to the pressure and the promise of a globalizing world.

PB	TX	
9780415783323	160pp	£ 24.99
ROUTLEDGE		

**Universities and Global Diversity**  
Preparing Educators for Tomorrow

Beverly Lindsay & Wanda J. Blanchett (Eds.)



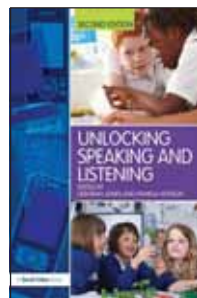
This volume seeks to critically examine the nexus between globalization and diversity as it affects the preparation of professional educators on several continents, taking into account the extensive changes in economic, sociopolitical, and cultural dynamics within nations and regions that have occurred in the last decade.

HB	TX	
9780415882873	274pp	£ 80.00
ROUTLEDGE		

**Unlocking Speaking and Listening**

2nd Edition

Deborah Jones & Pamela Hodson (Eds.)



Speaking and listening are key elements of the primary English National Curriculum; they are also fundamental to children's language development and learning. The need for teachers to develop children's talk in its own right and also to use talk as a means of learning is central to effective primary practice, yet it is an area in which teachers often have little confidence.

Now in a fully revised and updated edition, *Unlocking Speaking and Listening* aims to address a recognised need by tackling key issues surrounding speaking and listening with rigour, depth and a strong focus on research.

The contributors offer creative and practical advice on teaching speaking and listening from the early years through Key Stages 1 and 2, underpinned by theory into the approach. Significant, interrelated and areas covered include:

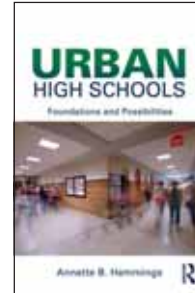
- Drama and storytelling
- Working with EAL children
- Gifted and talented pupils
- Special educational needs
- Using ICT.

With contributions from experts in the field, this book is a vital resource to help both trainee and practising primary teachers understand and promote the importance of speaking and listening as an effective tool for learning across the primary curriculum.

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9780415603171	180pp	£ 21.99
ROUTLEDGE		

**Urban High Schools**  
Foundations and Possibilities

Annette B. Hemmings



This multidisciplinary overview introduces readers to the historical, sociological, anthropological, and political foundations of urban public secondary schooling and to possibilities for reform. Focused on critical and problematic elements, the text provides a comprehensive description and analyses of urban public high schooling through different yet intertwined disciplinary lenses. Students and researchers seeking to inform their work with urban high schools from social, cultural, and political perspectives will find the theoretical frameworks and practical applications useful in their own studies of, or initiatives related to, urban public high schools. Each chapter includes concept boxes with synopses of key ideas, summations, and discussion questions.

PB	TX	
9780415878715	168pp	£ 29.99
ROUTLEDGE		

**What's the Buzz?**  
A Social Skills Enrichment Programme for Primary Students

Mark Le Messurier & Madhavi Nawana Parker



Some children, for all manner of reasons, struggle to make friends and fit in socially. *What's the Buzz?* is a unique sixteen-lesson social skills enrichment programme designed to explicitly teach children how to think and relate to others in social situations.

This lively, highly practical role-play and play-based programme targets everyday themes: how to greet, make and keep friends, fit in, read one's own emotions, read the feelings of others, deal with competition and cope with worry, frustration and disappointment more constructively. Based on an extensive body of research believed to stimulate social thinking and accomplish powerful outcomes, *What's the Buzz?* is:

- Sequenced - it follows a logical breakdown of each skill
- Active - it uses role-plays and rehearsal with feedback
- Focused - it dedicates time solely towards teaching a specific skill
- Explicit - it teaches a specific social/emotional skill each session.

The programme has proven wide appeal to teachers, counsellors, psychologists, teacher assistants, support staff and parent volunteers in schools. While tailored for small specific groups of children, it also has a broader multi-purpose scope with larger mainstream classes. Each lesson also includes extensive notes offering parents and teachers handy ideas to reinforce the themes presented.

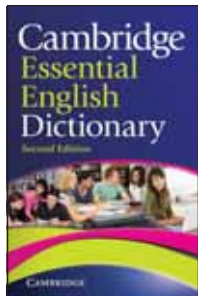
This book is complemented by the website [www.whatsthebuzz.net.au](http://www.whatsthebuzz.net.au) which offers online training modules and wealth of other resources..

PB	TX	
9780415583824	244pp	£ 29.99
ROUTLEDGE		

**ELT**

**Cambridge  
Essential English  
Dictionary**

2nd Edition

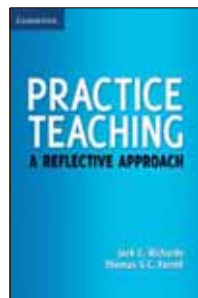


Using a learner's dictionary for the first time can be daunting, but the *Cambridge Essential English Dictionary* makes that first step easier for learners with short definitions that are easy to understand, and lots of example sentences to put the language into context. Mapped to a ground-breaking research programme, English Profile, this brand new edition of the *Cambridge Essential English Dictionary* now clearly marks essential vocabulary that students need to know at A1-B1 levels and helps students successfully prioritise learning. Ideal for KET, PET and Starters, Movers and Flyers Tests preparation.

PB	E	
9781107656611	504pp	Rs. 149.00

**Practice Teaching  
A Reflective Approach**

Jack C. Richards &  
Thomas S. C. Farrell



Written for language teachers in training, this book surveys issues and procedures in conducting practice teaching. Written for language teachers in training at the diploma, undergraduate, or graduate level, *Practice Teaching, A Reflective Approach* surveys issues and procedures in conducting practice teaching. The book adopts a reflective approach to practice teaching and shows student teachers how to explore and reflect on the nature of language teaching and their own approaches to teaching through their experience of practice teaching.

PB	E	
9781107682245	190pp	Rs. 275.00

**Pragmatics for  
Language  
Educators**

**A Sociolinguistic  
Perspective**

Virginia LoCastro



Making pragmatics accessible to a wide range of students and instructors without dumbing down the content of the field, this text for language professionals:

- raises awareness and increases knowledge and understanding of how human beings use language in real situations to engage in social action
- fosters the ability to think critically about language data and use
- helps readers develop the ability to "do pragmatics"

The book features careful explanations of topics and concepts that are often difficult for uninitiated readers, a wealth of examples, mostly of natural speech from collected data sources, and attention to the needs of readers who are non-native speakers of English, with non-Western perspectives offered when possible. Suggested Readings, Tasks, Discussion Questions, and Data Analysis sections involve readers in extending and applying what they are reading. The exercises push readers to recall and synthesize the content, elicit relevant personal experiences and other sources of information, and engage in changing their own interactional strategies. The activities go beyond a predictable framework to invite readers to carry out real life observations and experiment to make doing pragmatics a nonjudgmental everyday practice.

PB	TX	
9780415801164	334pp	£ 31.99
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