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Quick Reference for the Civil Engineering PE Exam - Michael R. Lindeburg 2002

Of all the PE exams, more people take the civil than any other discipline. The eight-hour, open-book, multiple-choice exam is given every April and October. The exam format is breadth-and-depth -- all examinees are tested on the breadth of civil engineering in the morning session; in the afternoon, they select one of five specialties to be tested on in-depth. Our civil PE books are current with the exam; they reflect the new format, and they reference all the same codes used on the exam. Quick Reference, which facilitates finding formulas during the exam; and subject-specific reviews on the complex areas of bridge and timber design. -- Organizes all important formulas for fast access during the exam -- Corresponds to topics in the Civil Engineering Reference Manual, 8th ed.

The Oxford Handbook of Assessment Policy and Practice in Music Education - Timothy Brophy 2019-01-02

In the music classroom, instructors who hope to receive aid are required to provide data on their classroom programs. Due to the lack of reliable, valid large-scale assessments of student achievement in music, however, music educators in schools that accept funds face a considerable challenge in finding a way to measure student learning in their

classrooms. From Australia to Taiwan to the Netherlands, music teachers experience similar struggles in the quest for a definitive assessment resource that can be used by both music educators and researchers. In this two-volume Handbook, contributors from across the globe come together to provide an authority on the assessment, measurement, and evaluation of student learning in music. The Handbook's first volume emphasizes international and theoretical perspectives on music education assessment in the major world regions. This volume also looks at technical aspects of measurement in music, and outlines situations where theoretical foundations can be applied to the development of tests in music. The Handbook's second volume offers a series of practical and US-focused approaches to music education assessment. Chapters address assessment in different types of US classrooms; how to assess specific skills or requirements; and how assessment can be used in tertiary and music teacher education classrooms. Together, both volumes of The Oxford Handbook of Assessment in Music Education pave the way forward for music educators and researchers in the field.

Standardized Minds - Peter Sacks 2001-01-10

"Standardized Minds" dramatically shows how an unhealthy and enduring obsession with intelligence testing affects everyone. Drawing creative solutions from the headlines and front lines, Sacks demonstrates

proven alternatives to such testing, and details a plan to make the American meritocracy legitimate and fair.

Reading for Understanding - Catherine Snow 2002-04-18

In fall 1999, the Department of Education's Office of Educational Research and Improvement (OERI) asked RAND to examine how OERI might improve the quality and relevance of the education research it funds. The RAND Reading Study Group (RRSG) was charged with developing a research framework to address the most pressing issues in literacy. RRSG focused on reading comprehension wherein the highest priorities for research are: (1) Instruction

The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies - Erik Brynjolfsson 2014-01-20

A pair of technology experts describe how humans will have to keep pace with machines in order to become prosperous in the future and identify strategies and policies for business and individuals to use to combine digital processing power with human ingenuity.

Preventing Early Learning Failure - Association for Supervision and Curriculum Development 2001

Examines issues related to early learning failure, describes practices that can help children find success in school, and looks at programs of prevention and intervention.

Handbook of the English Novel of the Twentieth and Twenty-First Centuries - Christoph Reinfandt 2017-06-12

The Handbook systematically charts the trajectory of the English novel from its emergence as the foremost literary genre in the early twentieth century to its early twenty-first century status of eccentric eminence in new media environments. Systematic chapters address 'The English Novel as a Distinctly Modern Genre', 'The Novel in the Economy', 'Genres', 'Gender' (performativity, masculinities, feminism, queer), and 'The Burden of Representation' (class and ethnicity). Extended contextualized close readings of more than twenty key texts from Joseph Conrad's *Heart of Darkness* (1899) to Tom McCarthy's *Satin Island* (2015) supplement the systematic approach and encourage future research by providing overviews of reception and theoretical

perspectives.

The Cost-Effectiveness of 22 Approaches for Raising Student Achievement - Stuart S. Yeh 2011-03-01

As a consequence of the federal "No Child Left Behind" (NCLB) law, there is tremendous pressure on school principals, teachers, school superintendents, district staff, state departments of education and governors to maximize the increase in student achievement that is obtained with every dollar of expenditure. Currently, teachers are forced to rely on extremely inefficient approaches that take enormous amounts of time, both during the school day and throughout the K-12 learning years. This is experienced in terms of the reduced time that is available to teach subjects other than math and reading, as schools resort to double periods of math, double periods of reading, and enormous amounts of remedial instruction that directly reduce the time available for other subjects including science, art, and music. In contrast, this book suggests that student achievement may be increased in a way that is not only cost-effective in dollar terms, but efficient in the sense that it does not rely on unusual investments in the time required to obtain results. The book draws upon a wealth of cost-effectiveness data to dispel common notions about "what works" in addressing the achievement gap: increased expenditure per pupil, charter schools, voucher programs, increased educational accountability, class size reduction, comprehensive school reform, increased teacher salaries, more selective teacher recruitment, the use of "value-added" methods to measure and reward teacher performance, the use of National Board teacher certification to identify high-performing teachers, and a host of other approaches.

Curriculum-Based Assessment for Instructional Design - Matthew K. Burns 2014-04-02

"In *Curriculum-based Assessment for Instructional Design*, Burns and Parker described a number of "authentic" (research-based) strategies and tools for assessing the student's prior knowledge, existing skill-level, and preferred mode of learning in order to maximize the instructional process. Indeed, in this book, Burns and Parker have developed a natural

and practical extension of a conceptual format that was originally called, simply, curriculum-based assessment. The book provides much-needed clarification of the several terms that have been used over the past three decades, and it provides hands-on application of the instructional principles involved"--

Curriculum in Early Childhood Education - Nancy File 2012-01-30
Curriculum in Early Childhood Education: Reexamined, Rediscovered, Renewed provides a critical examination of the sources, aims, and features of early childhood curricula. Providing a theoretical and philosophical foundation for examining teaching and learning, this book will provoke discussion and analysis among all readers. How has theory been used to understand, develop, and critique curriculum? Whose perspectives are dominant and whose are ignored? How is diversity addressed? What values are explicit and implicit? The book first contextualizes the historical and research base of early childhood curriculum, and then turns to discussions of various schools of theory and philosophy that have served to support curriculum development in early childhood education. An examination of current curriculum frameworks is offered, both from the US and abroad, including discussion of the Project Approach, Creative Curriculum, Te Whāriki, and Reggio Emilia. Finally, the book closes with chapters that enlarge the topic to curriculum-being-enacted through play and that summarize key issues while pointing out future directions for the field. Offering a broad foundation for examining curriculum in early childhood, readers will emerge with a stronger understanding of how theories and philosophies intersect with curriculum development.

Re-examining Language Testing - Glenn Fulcher 2015-06-12
Winner of the SAGE/ILTA Book Award 2016 Re-examining Language Testing explores ideas that form the foundations of language testing and assessment. The discussion is framed within the philosophical and social beliefs that have forged the practices endemic in language education and policy today. From historical and cultural perspectives, Glenn Fulcher considers the evolution of language assessment, and contrasting claims made about the nature of language and human communication, how we

acquire knowledge of language abilities, and the ethics of test use. The book investigates why societies use tests, and the values that have driven changes in practice over time. The discussion is presented within an argument that an Enlightenment inspired view of human nature and advancement is most suited to a progressive, tolerant, and principled theory of language testing and validation. Covering key topics such as measurement, validity, accountability and values, Re-examining Language Testing provides a unique and innovative analysis of the ideas and social forces that shape the practice of language testing. It is an essential read for advanced undergraduate and postgraduate students of Applied Linguistics and Education. Professionals working in language testing and language teachers will also find this book invaluable.

Language Planning and Policy in Native America - Teresa L. McCarty 2013-02-19

Comprehensive in scope and rich in detail, this book explores language planning, language education, and language policy for diverse Native American peoples across time, space, and place. Based on long-term collaborative and ethnographic work with Native American communities and schools, the book examines the imposition of colonial language policies against the florescence of contemporary community-driven efforts to revitalize threatened mother tongues. Here, readers will meet those who are on the frontlines of Native American language revitalization every day. As their efforts show, even languages whose last native speaker is gone can be reclaimed through family-, community-, and school-based language planning. Offering a critical-theory view of language policy, and emphasizing Indigenous sovereignties and the perspectives of revitalizers themselves, the book shows how language regeneration is undertaken in social practice, the role of youth in language reclamation, the challenges posed by dominant language policies, and the prospects for Indigenous language and culture continuance current revitalization efforts hold.

Indigenous Research Methodologies - Bagele Chilisa 2019-11-04
Author Bagele Chilisa updates her groundbreaking textbook to give a new generation of scholars a crucial foundation in indigenous research

methodologies.

Power Politics in Asia's Contested Waters - Enrico Fels 2016-02-19

This volume offers a comprehensive and empirically rich analysis of regional maritime disputes in the South China Sea (SCS). By discussing important aspects of the rise of China's maritime power, such as territorial disputes, altered perceptions of geo-politics and challenges to the US-led regional order, the authors demonstrate that a regional power shift is taking place in Asia-Pacific. The volume also provides in-depth discussions of the responses to Chinese actions by SCS claimants as well as by important non-claimant actors.

Testing Active and Passive Electronic Components - Richard Powell 1987-03-12

This book meets the vital need of providing one place where a comprehensive information on how to test more than one type of electronic component. It provides a key information necessary to allow users to get started immediately on component testing and presents effective options for handling high-, low- and medium-volume testing.

Encyclopedia of Renaissance Philosophy - Marco Sgarbi 2018-01-15

Gives accurate and reliable summaries of the current state of research. It includes entries on philosophers, problems, terms, historical periods, subjects and the cultural context of Renaissance Philosophy.

Furthermore, it covers Latin, Arabic, Jewish, Byzantine and vernacular philosophy, and includes entries on the cross-fertilization of these philosophical traditions. A unique feature of this encyclopedia is that it does not aim to define what Renaissance philosophy is, rather simply to cover the philosophy of the period between 1300 and 1650.

The World Book Encyclopedia - 2002

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

Handbook of Gentrification Studies - Loretta Lees 2018

It is now over 50 years since the term 'gentrification' was first coined by the British urbanist Ruth Glass in 1964, in which time gentrification studies has become a subject in its own right. This Handbook, the first ever in gentrification studies, is a critical and authoritative assessment of

the field. Although the Handbook does not seek to rehearse the classic literature on gentrification from the 1970s to the 1990s in detail, it is referred to in the new assessments of the field gathered in this volume. The original chapters offer an important dialogue between existing theory and new conceptualisations of gentrification for new times and new places, in many cases offering novel empirical evidence.

The Digital Renaissance of Work - Mr Paul Miller 2014-10-28

The Digital Renaissance of Work: Delivering Digital Workplaces Fit for the Future takes the reader on a journey into the emerging technology-led revival of work. Paul Miller's follow up to his critically acclaimed The Digital Workplace picks up the story to provide organizations with an understanding of the structural and organizational implications the emerging technology has for the workplace. His insights, backed by the considerable research of the Digital Workplace Forum, offer a lifeline to organizations needing to make better sense of a very uncertain future.

The World factbook 1999 - 1981

Bluegrass Renaissance - James C. Klotter 2012-08-31

Originally established in 1775 the town of Lexington, Kentucky grew quickly into a national cultural center amongst the rolling green hills of the Bluegrass Region. Nicknamed the "Athens of the West," Lexington and the surrounding area became a leader in higher education, visual arts, architecture, and music, and the center of the horse breeding and racing industries. The national impact of the Bluegrass was further confirmed by prominent Kentucky figures such as Henry Clay and John C. Breckinridge. Bluegrass Renaissance: The History and Culture of Central Kentucky, 1792-1852, chronicles Lexington's development as one of the most important educational and cultural centers in America during the first half of the nineteenth century. Editors Daniel Rowland and James C. Klotter gather leading scholars to examine the successes and failures of Central Kentuckians from statehood to the death of Henry Clay, in an investigation of the area's cultural and economic development and national influence. Bluegrass Renaissance is an interdisciplinary study of the evolution of Lexington's status as antebellum Kentucky's

cultural metropolis.

Math Instruction for Students with Learning Problems - Susan Perry Gurganus 2017-02-24

Math Instruction for Students with Learning Problems, Second Edition provides a research-based approach to mathematics instruction designed to build confidence and competence in pre- and in-service PreK-12 teachers. This core textbook addresses teacher and student attitudes toward mathematics, as well as language issues, specific mathematics disabilities, prior experiences, and cognitive and metacognitive factors. The material is rich with opportunities for class activities and field extensions, and the second edition has been fully updated to reference both NCTM and CCSSM standards throughout the text and includes an entirely new chapter on measurement and data analysis.

Encyclopedia of Forensic Sciences - 2012-12-28

Forensic science includes all aspects of investigating a crime, including: chemistry, biology and physics, and also incorporates countless other specialties. Today, the service offered under the guise of "forensic science" includes specialties from virtually all aspects of modern science, medicine, engineering, mathematics and technology. The Encyclopedia of Forensic Sciences, Second Edition is a reference source that will inform both the crime scene worker and the laboratory worker of each other's protocols, procedures and limitations. Written by leading scientists in each area, every article is peer reviewed to establish clarity, accuracy, and comprehensiveness. As reflected in the specialties of its Editorial Board, the contents covers the core theories, methods and techniques employed by forensic scientists - and applications of these that are used in forensic analysis. This 4-volume set represents a 30% growth in articles from the first edition, with a particular increase in coverage of DNA and digital forensics Includes an international collection of contributors The second edition features a new 21-member editorial board, half of which are internationally based Includes over 300 articles, approximately 10pp on average Each article features a) suggested readings which point readers to additional sources for more information, b) a list of related Web sites, c) a 5-10 word glossary and definition

paragraph, and d) cross-references to related articles in the encyclopedia Available online via SciVerse ScienceDirect. Please visit www.info.sciencedirect.com for more information This new edition continues the reputation of the first edition, which was awarded an Honorable Mention in the prestigious Dartmouth Medal competition for 2001. This award honors the creation of reference works of outstanding quality and significance, and is sponsored by the RUSA Committee of the American Library Association

Strife and Progress - Paul T. Hill 2012-11-14

Deficient urban schooling remains one of America's most pressing—and stubborn—public policy problems. This important new book details and evaluates a radical and promising new approach to K-12 education reform. *Strife and Progress* explains for a broad audience the "portfolio strategy" for providing urban education—its rationale, implementation, and results. Under the portfolio strategy, cities use anything that works, indifferent to whether schools are run by the public district or private entities. It combines traditional modes of schooling with newer methods, including chartering and experimentation with schools making innovative use of people and technology. Urban districts try to make themselves magnets for new talent, recruiting educators and career switchers looking to make a difference for poor children. The portfolio strategy creates interesting new bedfellows: people who think that government should oversee public education align with those advocating choice, competition, and entrepreneurship. It cuts across political lines and engages city governments and civic assets (e.g., philanthropies, businesses, universities) much more deeply than earlier reform initiatives. New York and New Orleans were portfolio pioneers, but the idea has spread rapidly to cities as far-flung as Los Angeles, Denver, and Chicago. Results have been mixed overall but generally positive in places that implemented the strategy most aggressively. Reform leaders such as New York's Joel Klein have been overly optimistic, however, assuming that the strategy's merits would be so obvious that careful assessment would be unnecessary. Serious policy evaluation is still needed.

NAEP 1998 Reading Report Card for the Nation - 1999

ICH Quality Guidelines - Andrew Teasdale 2017-09-29

Examining the implications and practical implementation of multi-disciplinary International Conference on Harmonization (ICH) topics, this book gives an integrated view of how the guidelines inform drug development strategic planning and decision-making. • Addresses a consistent need for interpretation, training, and implementation examples of ICH guidelines via case studies • Offers a primary reference point for practitioners addressing the dual challenge of interpretation and practical implementation of ICH guidelines • Uses case studies to help readers understand and apply ICH guidelines • Provides valuable insights into guidelines development, with chapters by authors involved in generating or with experience implementing the guidelines • Includes coverage of stability testing, analytical method validation, impurities, biotechnology drugs and products, and good manufacturing practice (GMP)

The World Factbook, 2000 - Central Intelligence Agency 2000-06

Presents facts on the geography, people, government, economy, communications, defense forces, and environment for each country of the world

Handbook of Response to Intervention - Shane R. Jimerson 2015-09-21

The Second Edition of this essential handbook provides a comprehensive, updated overview of the science that informs best practices for the implementation of response to intervention (RTI) processes within Multi-Tiered Systems of Support (MTSS) to facilitate the academic success of all students. The volume includes insights from leading scholars and scientist-practitioners to provide a highly usable guide to the essentials of RTI assessment and identification as well as research-based interventions for improving students' reading, writing, oral, and math skills. New and revised chapters explore crucial issues, define key concepts, identify topics warranting further study, and address real-world questions regarding implementation. Key topics include: Scientific foundations of RTI Psychometric measurement within RTI RTI and social behavior skills The role of consultation in RTI Monitoring response to supplemental services Using technology to facilitate RTI RTI and

transition planning Lessons learned from RTI programs around the country The Second Edition of the Handbook of Response to Intervention is an essential resource for researchers, graduate students, and professionals/scientist-practitioners in child and school psychology, special and general education, social work and counseling, and educational policy and politics.

Measuring Up - Daniel Koretz 2008

How do you judge the quality of a school, a district, a teacher, a student? By the test scores, of course. Yet for all the talk, what educational tests can and can't tell you, and how scores can be misunderstood and misused, remains a mystery to most. The complexities of testing are routinely ignored, either because they are unrecognized, or because they may be—well, complicated. Inspired by a popular Harvard course for students without an extensive mathematics background, *Measuring Up* demystifies educational testing—from MCAS to SAT to WAIS, with all the alphabet soup in between. Bringing statistical terms down to earth, Daniel Koretz takes readers through the most fundamental issues that arise in educational testing and shows how they apply to some of the most controversial issues in education today, from high-stakes testing to special education. He walks readers through everyday examples to show what tests do well, what their limits are, how easily tests and scores can be oversold or misunderstood, and how they can be used sensibly to help discover how much kids have learned.

Religious Studies and Rabbinics - Elizabeth Shanks Alexander 2017-09-08

Religious Studies and Rabbinics have overlapping yet distinct interests, subject matter, and methods. Religious Studies is committed to the study of religion writ large. It develops theories and methods intended to apply across religious traditions. Rabbinics, by contrast, is dedicated to a defined set of texts produced by the rabbinic movement of late antiquity. Religious Studies and Rabbinics represents the first sustained effort to create a conversation between these two academic fields. In one trajectory of argument, the book shows what is gained when each field sees how the other engages the same questions: When did the concept of

"religion" arise? How should a scholar's normative commitments interact with their scholarship? The book argues that if scholars from Religious Studies and Rabbinics do not realize they are addressing the same problems, they will not benefit from each other's solutions. A second line of argument brings research methods, theoretical claims, and data associated with one field into contact with those of the other. When Religious Studies categories such as "ritual" or "the sacred" are applied to data from Rabbinics and, conversely, when text-reading strategies distinctive to Rabbinics are employed for texts from other traditions, both Religious Studies and Rabbinics enlarge their scope. The chapters range across such themes as ritual failure; rabbinic conceptions of scripture, ethics, food, time, and everyday life; problems of definition and normativity in the study of religion; J.Z. Smith's writings; and the preaching of the African-American Christian evangelical social justice activist John Perkins. With chapters written by world-class theorists of Religious Studies and prominent text scholars of Rabbinics, the book provides a unique opportunity to expand the conceptual reach and scholarly audience of both Religious Studies and Jewish Studies.

Energy Modeling and Computations in the Building Envelope -

Alexander V. Dimitrov 2015-08-27

Energy Modeling and Computations in the Building Envelope instills a deeper understanding of the energy interactions between buildings and the environment, based on the analysis of transfer processes operating in the building envelope components at the microscopic level. The author:Proposes a generalized physics model that describes these interacti

Time, Progress, Growth and Technology - Filipe Duarte Santos

2020-09-18

This book addresses the current challenges of sustainable development, including its social, economic and environmental components. The author argues that we need to develop a new concept of time based on inter-generational solidarity, which focuses both on the long- and the short term. The evolution of man's notions of time are analyzed from prehistory to modern times, showing how these concepts shape our

worldviews, our ecological paradigms and our equilibrium with our planet. Practical approaches to dealing with the major medium- and long term sustainability challenges of the 21st century are presented and discussed. This is a thought provoking and timely book that addresses the main global socioeconomic and environmental challenges facing the current and future generations, using science-based analysis and perspectives. It presents an historical narrative of the advent of progress, economic growth and technology, and discusses the structural changes needed to co-create sustainable pathways. It provides hope for our future on Earth, mankind's common home. António Guterres, Secretary-General of the United Nations This is an amazing, almost mind-boggling book. The author takes a look at the true whole, i.e., the development of the human enterprise since its very beginning. This enterprise is evidently a possibility under the boundary conditions of cosmological dynamics and natural evolution, but evidently also a highly improbable one. It is all but a miracle that the Earth system in its present form exists and happens to support a technical civilization. Will this civilization last long, will it transform itself into something even more exceptional, or will it perish in disgrace? Santos dares to address these grandest of all questions, equipped with a unique transdisciplinary wisdom drawing on physics, cybernetics, geology, biology, economics, anthropology, history, and philosophy. And he dares to dive into the deepest abysses of thinking, where categorial monsters like time and progress lurk. Thereby, he takes us on fascinating journey, during which we perceive and grasp things we have never seen and understood before. One of the best essays I have ever read. John Schellnhuber, founding director of the Potsdam Institute for Climate Impact Research (PIK) and former chair of the German Advisory Council on Global Change [Performing Asian Transnationalisms](#) - Amanda Rogers 2014-09-19

This book makes a significant contribution to interdisciplinary engagements between Theatre Studies and Cultural Geography in its analysis of how theatre articulates transnational geographies of Asian culture and identity. Deploying a geographical approach to transnational culture, Rogers analyses the cross-border relationships that exist within

and between Asian American, British East Asian, and South East Asian theatres, investigating the effect of transnationalism on the construction of identity, the development of creative praxis, and the reception of works in different social fields. This book therefore examines how practitioners engage with one another across borders, and details the cross-cultural performances, creative opportunities, and political alliances that result. By viewing ethnic minority theatres as part of global — rather than simply national — cultural fields, Rogers argues that transnational relationships take multiple forms and have varying impetuses that cannot always be equated to diasporic longing for a homeland or as strategically motivated for economic gain. This argument is developed through a series of chapters that examine how different transnational spatialities are produced and re-worked through the practice of theatre making, drawing upon an analysis of rehearsals, performances, festivals, and semi-structured interviews with practitioners. The book extends existing discussions of performance and globalization, particularly through its focus on the multiplicity of transnational spatiality and the networks between English-language Asian theatres. Its analysis of spatially extensive relations also contributes to an emerging body of research on creative geographies by situating theatrical praxis in relation to cross-border flows. Performing Asian Transnationalisms demonstrates how performances reflect and rework conventional transnational geographies in imaginative and innovative ways.

Textiles, Identity and Innovation: Design the Future - Gianni Montagna
2018-10-03

D_TEX presents itself as a starting point at a crossroads of ideas and debates around the complex universe of Textile Design in all its forms, manifestations and dimensions. The textile universe, allied to mankind since its beginnings, is increasingly far from being an area of exhausted possibilities, each moment proposing important innovations that need a presentation, discussion and maturation space that is comprehensive and above all inter- and transdisciplinary. Presently, the disciplinary areas where the textile area is present are increasing and important, such as

fashion, home textiles, technical clothing and accessories, but also construction and health, among others, and can provide new possibilities and different disciplinary areas and allowing the production of new knowledge. D_TEX proposes to join the thinking of design, with technologies, tradition, techniques, and related areas, in a single space where ideas are combined with the technique and with the projectual and research capacity, thus providing for the creation of concepts, opinions, associations of ideas, links and connections that allow the conception of ideas, products and services. The interdisciplinary nature of design is a reality that fully reaches the textile material in its essence and its practical application, through the synergy and contamination by the different interventions that make up the multidisciplinary teams of research. The generic theme of D_TEX Textile Design Conference 2017, held at Lisbon School of Architecture of the University of Lisbon, Portugal on November 2-4, 2017, is Design the Future, starting from the crossroads of ideas and debates, a new starting point for the exploration of textile materials, their identities and innovations in all their dimensions.

Fracture Scaling - Zdenek P. Bazant 2012-12-06

This volume is a collection of the papers given at the workshop on Fracture Scaling, held at the University of Maryland, USA, 10-12 June 1999, under the sponsorship of the Office of Naval Research, Arlington, VA, USA. These papers can be grouped under five major themes: Micromechanical analysis Size effects in fiber composites Scaling and heterogeneity Computational aspects and nonlocal or gradient models Size effects in concrete, ice and soils . This workshop is the result of a significant research effort, supported by the Office of Naval Research, into the problems of scaling of fracture in fiber composites, and generally into the problems of scaling in solid mechanics. These problems, which are of interest for many materials, especially all quasibrittle materials, share similar characteristics. Thus, progress in the understanding of scaling problems for one material may help progress for another material. This makes it clear that a dialogue between researchers in various fields of mechanics is highly desirable and should be promoted.

In view of this, this volume should be of interest to researchers and advanced graduate students in materials science, solid mechanics and civil engineering.

The Planning Imagination - Mark Tewdwr-Jones 2013-10-01

Knighted in 1998 'for services to the Town and Country Planning Association', and in 2003 named by Her Majesty Queen Elizabeth II as a 'Pioneer in the Life of the Nation', Peter Hall is internationally renowned for the breadth and depth of his studies and writings on urban and regional planning. For the last 50 years, he has captured and helped to create the 'planning imagination'. Here the editors have brought together in five themes a series of critical reflections on Peter's vast and diverse contributions. Those reflections are provided by colleagues familiar with his work. The five parts are devoted to Peter Hall's breadth of academic work, covering the history of cities and planning, London, spatial planning, connectivity and mobility, and urban globalization. Finally, as a sixth part, the editors have asked Peter Hall himself to reflect on his career and the sources of his imagination. The story this book tells is not one of a singular, totally consistent theoretical and philosophical view elaborated over several decades. Rather it covers a set of views that necessarily admits signs of Peter's inconsistency and imperfection over the years - the insights and imperfections that inevitably accompany the exercise of a nonetheless remarkably fertile, restless and inspiring planning imagination.

The World Factbook - United States. Central Intelligence Agency 1999

Handbook of Thermoplastics, Second Edition - Olagoke Olabisi
2016-02-03

This new edition of the bestselling Handbook of Thermoplastics incorporates recent developments and advances in thermoplastics with regard to materials development, processing, properties, and applications. With contributions from 65 internationally recognized authorities in the field, the second edition features new and updated discussions of several topics, including: Polymer nanocomposites Laser processing of thermoplastic composites Bioplastics Natural fiber

thermoplastic composites Materials selection Design and application Additives for thermoplastics Recycling of thermoplastics Regulatory and legislative issues related to health, safety, and the environment The book also discusses state-of-the-art techniques in science and technology as well as environmental assessment with regard to the impact of thermoplastics. Each chapter is written in a review format that covers: Historical development and commercialization Polymerization and process technologies Structural and phase characteristics in relation to use properties The effects of additives on properties and applications Blends, alloys, copolymers, and composites derived from thermoplastics Applications Giving thorough coverage of the most recent trends in research and practice, the Handbook of Thermoplastics, Second Edition is an indispensable resource for experienced and practicing professionals as well as upper-level undergraduate and graduate students in a wide range of disciplines and industries.

The World Factbook - 1997

The Trials of Evidence-based Education - Stephen Gorard 2017-06-26

The Trials of Evidence-based Education explores the promise, limitations and achievements of evidence-based policy and practice, as the attention of funders moves from a sole focus on attainment outcomes to political concern about character-building and wider educational impacts. Providing a detailed look at the pros, cons and areas for improvement in evidence-based policy and practice, this book includes consideration of the following: What is involved in a robust evaluation for education. The issues in conducting trials and how to assess the trustworthiness of research findings. New methods for the design, conduct, analysis and use of evidence from trials and examining their implications. What policy-makers, head teachers and practitioners can learn from the evidence to inform practice. In this well-structured and thoughtful text, the results and implications of over 20 studies conducted by the authors are combined with a much larger number of studies from their systematic reviews, and the implications are spelled out for the research community, policy-makers, schools wanting to run their own evaluations,

and for practitioners using evidence.