Construction Technology 5th Edition Pearson Schools

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Multicultural Education for Learners with Special Needs in the Twenty-First Century Festus E. Obiakor 2014-01-01 Multicultural Education for Learners with Special Needs in the Twenty-First Century provides general and special educators innovative information that address the road blocks to effective practice such that diverse learners will be appropriately; identified, assessed, categorized, placed and instructed. The book provides those who instruct diverse learners comprehensive, creative and best practice chapters by scholars in the area of multicultural education. Chapter One presents a system to reduce traditional education road blocks that confront diverse learners called Culturally and Linguistically Responsive Teaching (CLRT). The CLTR system is designed to accomplish three objectives, namely, to increase student achievement, to help students develop skills to achieve economic sufficiency and to allow students to acquire citizenship skills based on a realistic and thorough understanding of the political system. Chapter Two discusses the pervasive problem of disproportionate representation of students from diverse backgrounds in special education by examining what it is, who is impacted by it, why it is occurring, and how it can be addressed using promising strategies. Chapter Three examines the use of authentic assessment to provide feedback for teachers and students, and guide the instructional decision by differentiating teaching to meet the educational needs of diverse learners. Chapters Four, Five, Six and Seven address issues related to educating Latina/o Americans, African Americans, Asian Americans and Native Americans learners with special needs. Chapter Eight is a unique chapter that addresses the growing need to educate foreign-born immigrants who are now being referred to as "Today's Special Learners in Schools". This chapter delineates the use of the Comprehensive Support Model (CSM) to educate foreign-born learners who are identified by the authors as foreign-born English Language Learners. The CSM is recommended as a culturally sensitive intervention that integrates efforts of the self, (i.e., learner), families, school, community, and government in responding to the needs of diverse learners. Chapter Nine provides a comprehensive discussion of how Culturally Relevant Leadership (CRL) can impact educational theory and practice. The authors delineate how CRL leads to reflective practices which position teachers and administrators to become leaders in school change that can increase student success for diverse learners. Chapter Ten provides the reader with illustrative content regarding the use of technology to educate multicultural learners with special needs. Chapter Eleven delineates the culturally responsive infusion of effective behavior modification strategies that are designed to strengthen and facilitate positive behaviors for culturally and linguistically diverse learners with special needs. The book is an important addition to the education of multicultural learners with special needs as it provides much needed direction for the effective instructional practices for today's diverse students. The book can be used as current best practices for special and general educators as well as school administrators.

School Libraries 3.0 Rebecca P. Butler 2015-06-18 This textbook, for school library administration courses, is written by a professor who has taught this course at least once a year for the past twenty years. Technology is interwoven throughout the book and not listed as a separate chapter or book section. This is because the school librarian of today—and certainly the school librarian of tomorrow—is working in an environment of web resources, multimedia, mixed methods, and varying programs and services. Major chapters cover the various roles of the school librarian, curricular standards and guidelines, policies and procedures, budgeting, facilities, personnel, services, programming, ethics, advocacy, and evaluation. Sample policies, procedures, and plans make this book valuable to both new and experienced school librarians.

Innovation in Small Construction Firms Peter Barrett 2008-01-11 Innovation in Small Construction Firms promotes the benefits of innovation, and stimulate innovation capability within and between small and medium sized (SMEs) construction firms in an effort to bring in a new 'can innovate, should innovate, want to innovate' culture to the construction industry. Presenting new theoretical and practical insights and models grounded in descriptive case studies, the issues addressed include: what is the motivation to innovate? what is appropriate innovation? how can small construction firms create, manage and exploit innovation? what practice-based models, tools and techniques support the capability of small construction firms to innovate well? how does this fit in the context of leading international work in construction innovation? Findings are contextualised in the broader literature to make them of relevance to policy makers, practitioners and researchers interested in small, project-based firms in general.

Geotechnical Engineering of Dams, 2nd Edition Robin Fell 2014-11-21 Geotechnical Engineering of Dams, 2nd edition provides a comprehensive text on the geotechnical and geological aspects of the investigations for and the design and construction of new dams and the review and assessment of existing dams. The main emphasis of this work is on embankment dams, but much of the text, particularly those parts related to geology, can be used for concrete gravity and arch dams. All phases of investigation, design and construction are covered. Detailed descriptions are given from the initial site assessment and site investigation program through to the preliminary and detailed design phases and, ultimately, the construction phase. The assessment of existing dams, including the analysis of risks posed by those dams, is also discussed. This wholly revised and significantly expanded 2nd edition includes a lengthy new appendix on the assessment of the likelihood of failure of dams by internal erosion and piping. This valuable source on dam engineering incorporates the 200+ years of collective experience of the authors in the subject area. Design methods are presented in combination with their theoretical basis, to enable the reader to develop a proper understanding of the possibilities and limitations of a method. For its practical, well-founded approach, this work can serve as a useful guide for professional dam engineers and engineering geologists and as a textbook for university students.

Effects of Medium-Switching on Secondary School Students' Learning Endalew Kufi

Information Technology Entrepreneurship and Innovation Zhao, Fang 2008-05-31 It has become a widely-recognized fact that entrepreneurs and information technology have become the backbone of the world economy. The increasing penetration of IT in society and in most of industries/businesses, as well as the joining forces of entrepreneurship and innovation in the economy, reinforce the need for a leading and authoritative research handbook to disseminate leading edge findings about entrepreneurship and innovation in the context of IT from an international perspective. Information Technology Entrepreneurship and Innovation presents current studies on the nature, process and practice of entrepreneurship and innovation in the development, implementation, and application of information technology worldwide, as well as providing academics, entrepreneurs, managers, and practitioners with up-to-date, comprehensive, and rigorous research-based articles on the formation and implementation of effective strategies and business plans.

Handbook of Research on Global Issues in Next-Generation Teacher Education Keengwe, Jared 2016-02-17
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Chudley and Greeno's Building Construction Handbook Roy Chudley 2020-03-31 The 12th edition of Chudley and Greeno's Building Construction Handbook remains THE authoritative reference for all construction students and professionals. The principles and processes of construction are explained with the concepts of design included where appropriate. Extensive coverage of building construction practice, techniques and regulations representing both traditional procedures and modern developments are included to provide the most comprehensive and easy to understand guide to building construction. This new edition has been updated to reflect recent changes to the building regulations, as well as new material on modern methods of construction, greater emphasis on sustainability and a new look interior. Chudley and Greeno's Building Construction Handbook is the essential, easy-to-use resource for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through to Higher National Certificate and Diploma, to Foundation and three-year Degree level. It is also a useful practical reference for building designers, contractors and others engaged in the construction industry.

Evaluating Student Learning Outcomes in Counselor Education Casey A. Barrio Minton 2016-04-14 This timely text describes the role of program evaluation in counselor education and provides step-by-step guidance for faculty seeking to develop comprehensive Student Learning Outcome (SLO) evaluation plans to meet accountability expectations. It serves as a blueprint for demystifying the SLO process and making the switch from an input-based measure of productivity that focuses on what counseling programs do, to an outcome-based approach that concentrates on the quality of learning through evidence-based assessment of students' knowledge and skills. The first and second parts of the book lay the foundation for the SLO process and provide practical guidance for identifying and developing direct and indirect measures of student learning. Part III offers strategies for creating measures; collecting, managing, and reporting student data; and using data to ensure competence. In Part IV, counselor educators across the country offer hands-on application through a wide variety of SLO activities and rubrics linked to each of the curricular and specialty areas of the 2016 CACREP Standards. *Requests for digital versions from the ACA can be found on wiley.com. *To request print copies, please visit the ACA website here. *Reproduction requests for material from books published by ACA should be directed to permissions@counseling.org

Teach Well, Live Well John Luckner 2018-01-16 Teaching is a highly rewarding—and highly demanding—profession. Honoring educators for the invaluable work they do, this unique resource provides critical information about being a highly competent teacher while living a rewarding, satisfying life outside of work. New and experienced teachers will find a unique collection of strategies for developing essential skills for being masterful in teaching and in life. Focused on preparation and effective teaching techniques, this nuts-and-bolts volume helps teachers find the right balance between personal and professional priorities and covers a wide range of topics, such as: •Increasing their teaching effectiveness •Improving their ability to collaborate with others •Developing self-care strategies for a vibrant personal and professional life Featuring "bottom line" tips, reproducibles for teacher reflection and support, and up-to-date resources, Teach Well, Live Well is an essential tool for educators looking to enjoy vibrant, productive careers and lives.

Education and Technology Support for Children and Young Adults With ASD and Learning Disabilities Kats, Yefim 2020-11-13 Among the disabilities covered at the state and federal levels, autism and related conditions are a sharply growing diagnostic category among children and young adults. In education, administrators and practitioners working with affected learners are continually faced with confronting difficult problems such as getting adequate personnel training and choosing appropriate tools and techniques that best fit the specific needs of their students while at the same time satisfying their budget, technical resources, curriculum, and profile of the ASD population they serve. The choice of appropriate tools is especially complex due to the intrinsic connection between technical specifications, educational/therapeutic methods, and the wide variety of ASDs and related conditions. In this respect, tools chosen to support children may need to target those diagnosed not only with ASD but also with such co-morbidity conditions as attention deficit disorder. The instructional strategies and use of technology currently have room for improvement for online, hybrid, and face-to-face counseling settings. Also, an effective evaluation of educational technologies and tools would be fundamentally incomplete without a thorough understanding and assessment of the related special education practices as well as psychological and neurological issues specific for ASD and learning disabilities. Education and Technology Support for Children and Young Adults With ASD and Learning Disabilities provides an in-depth analysis on the use of available technology solutions, instructional design methods, and assessment techniques in the context of standards and regulations in classroom or counseling settings. The chapters contain theoretical analyses, vital practical information, and case studies that can function as guidelines for those involved in helping children and young adults with ASD or learning disabilities in online, hybrid, or face-to-face environments. While highlighting topics such as inclusive education, online gaming environments, assistive technologies, and cognitive development, this book is ideally intended for administrators, instructional technology specialists, special education faculty, counselors, instructional designers, course developers, social workers, and psychologists along with practitioners, stakeholders, researchers, and academicians interested in education and technology support for children and young adults with ASD and learning disabilities.

Research Anthology on Inclusive Practices for Educators and Administrators in Special Education Management Association, Information Resources 2021-09-24 Inclusion in the classroom is a growing phenomenon that covers a range of areas and subjects; with prominent discussions about race, gender, sexual orientation, and age, today's world is increasingly focused on making sure education is designed so everyone can succeed. Inclusivity in special education is particularly important as special education covers a wide range of students, including those with physical, intellectual, and behavioral disabilities. As more research and information surrounding best practices, new technologies, and teacher education for special education is considered, it is imperative that teachers and administrators remain up to date on these innovative techniques. The Research Anthology on Inclusive Practices for Educators and Administrators in Special Education is a critical reference source that includes abundant research on all aspects of inclusion in special education as well as the latest trends, research, and studies to provide a comprehensive look at the current state of special education. Covering topics such as accessibility, educational models, teacher training, and assistive technologies, it is ideal for special education teachers, academicians, in-service teachers, pre-service teachers, professors, students, researchers, professionals, administrators, curriculum developers, instructional designers, and policymakers.

Construction Technology for Tall Buildings Michael Yit Lin Chew 2017-07-13 This 5th edition covers the latest practices and processes of various alternative methods for the construction of tall buildings from foundation to roof. The text progresses through the stages of site investigation, excavation and earthmoving, foundation construction, basement construction, structural systems for the superstructure, site and material handling, wall and floor construction, external wall and roof construction. The planning, safety and environmental considerations, methods, materials, equipment, and construction sequence of the various proprietary systems for each of these respectively stages are discussed. The target readers are practitioners and students in building and construction professions including architecture, engineering, project and facilities management, building and construction management, real estate, quantity and land surveying.

Surveying Fundamentals and Practices Jerry A. Nathanson 2017-05-12 For courses in introductory surveying offered in most civil technology, construction technology, and some architectural technology programs. Surveying Fundamentals and Practices, 7th Edition covers up-to-date surveying technology without losing perspective of the need to provide students with a strong foundation in traditional surveying fundamentals. An entire chapter provides a review of the mathematics essential for beginning technology students to understand plane surveying problem-solving methods and applications. Through clear explanations and applied examples, the text presents the methods of measuring and computing distances, angles, and directions. It provides students with a firm grasp of modern equipment and office and field procedures related to horizontal control surveys, property surveys, topographic surveys, roadway curve calculations, and construction layout surveys. The 7th Edition expands upon the surveying applications in today's world with a section on forensic surveying, updated information on national and industry standards for surveys, and a new section on spiral curve computations.

Construction Materials Marios Soutsos 2017-10-10 This established textbook provides an understanding of materials' behaviour through knowledge of their chemical and physical structure. It covers the main classes of construction materials: metals, concrete, other ceramics (including bricks and masonry), polymers, fibre composites, bituminous materials, timber, and glass. It provides a clear and comprehensive perspective on the whole range of materials used in modern construction, to form a

must-have for civil and structural engineering students, and those on courses such as architecture, surveying and construction. It begins with a Fundamentals section followed by a section on each of the major groups of materials. In this new edition: - The section on fibre composites FRP and FRC has been completely restructured and updated. - Typical questions with answers to any numerical examples are given at the end of each section, as well as an instructor's manual with further questions and answers. - The links in all parts have also been updated and extended, including links to free reports from The Concrete Centre, as well as other online resources and material suppliers' websites. - and now with solutions manual and resources for adopting instructors on https://www.crcpress.com/9781498741101

The History and Growth of Career and Technical Education in America Howard R. D. Gordon 2020-04-22 Rapid changes in the workplace, including progress in the areas of science, technology, engineering, and mathematics, make the contribution of career and technical education more significant than ever. In the fifth edition of his foundational text, Dr. Gordon is joined by new coauthor Deanna Schultz. Continued focus on the history, philosophy, structure, and evolution of career and technical education highlights in-depth coverage on emerging trends relevant to all areas of the field. The pedagogical structure of the text presents abundant information in an accessible format. The authors' introduction to the origins of and early leadership in CTE lays the groundwork for later discussions of representation of women and underrepresented minorities in the discipline, as well as the implications of a multigenerational workforce and global community on the way educational programs are designed for career readiness. In addition to comprehensive updates, this edition features a section exploring work-based learning, information on current legislation, and a new chapter on community and technical colleges.

Construction Technology For Tall Buildings (4th Edition) Chew Yit Lin Michael 2012-06-04 This book introduces the latest construction practices and processes for tall buildings from foundation to roof. It attempts to acquaint readers with the methods, materials, equipment and systems used for the construction of tall buildings.The text progresses through the stages of site investigation, excavation and foundations, basement construction, structural systems for the superstructure, site and material handling, wall and floor construction, cladding and roof construction. The construction sequence, merits and limitations of the various proprietary systems commonly used in these respective stages are discussed. This fourth edition also includes several new topics not covered in the previous edition.The target readers are practitioners and students in the related professions including architecture, engineering, building, real estate, construction, project and facilities management, and quantity and land surveying.

Effective Communication for District and School Administrators Theodore J. Kowalski 2015-08-20 The book is a unique and necessary contribution to the literature on school administration. Research, theory, and practice were melded to produce a book that can be used as a primary or supplemental text or as professional growth resource for practitioners. Communication scholars, especially since 1990, have concluded that competence must be defined and studied in the context of professions. As such, a growing number of medical schools, law schools, and business schools have integrated communication into their curricula. This book provides a resource for such integration into the study and practice of district and school administration.

Strategies for Theory Construction in Nursing: Pearson New International Edition Lorraine Olszewski Walker 2013-10-03 For all masters or doctoral courses on nursing theory or related to framework development for practice or research. For beginning graduate students in nursing and related disciplines, this text offers the clearest, most useful introduction to methods of theory development. It places nursing theory development in context, with a rich historical view that traces the field from its from its mid-20th century beginnings through contemporary and emerging issues. Present-day coverage includes both domain- and population-focused theories designed to specifically address the needs of clients served by nurses. Important additions in this edition include short reflections and critical thinking projects, as well as a new chapter on using knowledge development and theory to inform practice.

The Administration and Supervision of Reading Programs, 5th Edition Shelley B. Wepner 2013 Now in its fifth edition, this popular textbook is still the most comprehensive resource available on the oversight of literacy programs (PreK-12). Focusing on what literacy leaders need to know and do to meet today's mandates, experts in the field offer new insights that reflect the nation's changing policies related to the new Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects. It also addresses forthcoming assessments aligned to the common core standards, and new mandates for evaluating teachers and principals. Literacy luminaries provide specific guidelines for all levels of instruction, including selecting and using materials and new technologies, promoting writing, assessing students, evaluating teachers, providing professional development, working with linguistically diverse and struggling learners, working with parents and the community, and evaluating school-wide literacy programs.

Advances in Construction ICT and e-Business Srinath Perera 2017-05-08 This internationally conducted study of the latest construction industry practices addresses a broad range of Information and Communication Technology applications. Drawing on research conducted in the US and UK, this book presents the state of the art of various ebusiness processes, and examines BIM, virtual environments and mobile technologies. Innovation is a theme that runs throughout this book, so in addition to the direct impact of these new technical achievements, it also considers the management styles that helped them to emerge. Examples from industry are illustrated with case studies and presented alongside research from some of the best known academics in this field. This book is essential reading for all advanced students and researchers interested in how ICT is changing construction management and the construction industry.

Advances in Materials and Systems Technologies II A.O. Akii Ibhadode 2009-02-20 This work comprises a selection of 109, peer-reviewed papers on Engineering Research and Development: Innovations. It addresses a number of the scientific issues underlying innovations in Materials and Systems research at the global level, while paying particular attention to possible processes that may permit the realization of the Millennium Development Goals (MDGs) of the United Nations in Developing Countries.The papers are grouped into chapters on: Construction and Structures; Electrical and Electronic Technology; Food and Agricultural Technology; Manufacturing Systems; Materials Processing; Oil and Gas; Renewable Energy; Systems Design and Analysis; Tools, Machines and Equipment; Waste Technology; and Water Engineering.

Handbook of Research on Building, Growing, and Sustaining Quality E-Learning Programs Shelton, Kaye 2016-09-12 As e-learning has evolved into a global change agent in higher education, it has become more diverse in its form and applications. Now that many institutions have implemented e-learning programs as part of their course offerings, it is essential for these institutions to fully grasp how best to facilitate continued improvements and accessibility in online education. The Handbook of Research on Building, Growing, and Sustaining Quality E-Learning Programs highlights several significant elements of e-learning, including program planning, quality standards, and online course development, as well as institutional, student, and faculty support. Serving as a critical resource for online and hybrid learning programs, this publication is designed for use by administrators, educators, instructional designers, and doctorate-level students in the field of education.

Building Online Communities in Higher Education Institutions: Creating Collaborative Experience Stevenson, Carolyn N. 2014-02-28 Members of today? s online educational settings are often isolated which can prohibit the sharing of ideas and best practices among individuals working and learning as a collective group. Promoting collaboration across various disciplines and departments fosters professional development activities, as well as creates strong connections to the entire online community. Building Online Communities in Higher Education Institutions: Creating Collaborative Experience cultivates knowledge on topics pertaining to the improvement of communication and collaboration in online learning communities. Advancing the current scope of research in this field, this book is designed for use by faculty, students, researchers, practitioners, and college administrators interested in strengthening communication and collaboration in virtual settings.

Handbook of Human and Social Conditions in Assessment Gavin T. L. Brown 2016-06-23 The Handbook of Human and Social Conditions in Assessment is the first book to explore assessment issues and opportunities occurring due to the real world of human, cultural, historical, and societal influences upon assessment practices, policies, and statistical modeling. With chapters written by experts in the field, this book engages with numerous forms of assessment: from classroom-level formative assessment practices to national accountability and international comparative testing practices all of which are significantly influenced by social and cultural conditions. A unique and timely contribution to the field of Educational Psychology, the Handbook of Human and Social Conditions in Assessment is written for researchers, educators, and policy makers interested in how social and human complexity affect assessment at all levels of learning. Organized into four sections, this volume examines assessment in relation to teachers, students, classroom conditions, and cultural factors. Each section is comprised of a series of chapters, followed by a discussant chapter that synthesizes key ideas and offers directions for future research. Taken together, the chapters in this volume demonstrate that teachers, test creators, and policy makers must account for the human and social conditions that shape assessment if they are to implement successful assessment practices which accomplish their intended outcomes.

Building Construction Handbook R. Chudley 2008 Building Construction Handbook is an authoritative reference for all students and professionals. It is full of detailed drawings that clearly illustrate the construction of building elements. The principles and processes of construction are explained with the concepts of design included where appropriate. Extensive coverage of building construction practice and techniques, representing both traditional procedures and modern developments, are also included to provide the most comprehensive and easy to understand guide to building construction. The new edition has been reviewed and updated and includes additional material on energy conservation, sustainable construction, environmental and green building issues. Further details of fire protection to elements of construction are provided.Building Construction Handbook is an essential text for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through Higher National Certificate and Diploma to Foundation and three-year Degree level. It is also a useful practice reference for building designers, contractors and others engaged in the construction industry. It is ideal for students on all construction courses. The topics are presented concisely in plain language and with clear drawings. It incorporates recent revisions to Building and Construction Regulations.

Construction Estimating Using Excel Steven Peterson 2017-01-11 For beginning to intermediate courses in construction estimating in two- and four-year construction management programs. A step-by-step, hands-on introduction to commercial and residential estimating Construction Estimating with Excel, 3/e, introduces readers to the fundamental principles of estimating using drawing sets, real-world exercises, and examples. The book moves step-by-step through the estimating process, discussing the art of estimating, the quantity takeoff, how to put costs to the estimate, and how to finalize the bid. As students progress through the text they are shown how Microsoft Excel can be used to improve the estimating process. Because it introduces spreadsheets as a way of increasing estimating productivity and accuracy, the book can help both beginning and experienced estimators improve their skills. The Third Edition gives students a broader understanding of construction estimating with a new chapter discussing the role that estimating plays in different project delivery methods and in the design process and how to use data from RSMeans. To bring the book up to date, the material and equipment costs and labor rates have been updated to reflect current costs, and the discussion of Excel (including the figures) is based on Excel 2016. Additionally, content throughout the book has been updated to align to ACCE and ABET student learning outcomes. Student resources are available on the companion website www.pearsonhighered.com/careersresources/ .

Encyclopedia of Information Science and Technology, Fifth Edition Khosrow-Pour D.B.A., Mehdi 2020-07-24 The rise of intelligence and computation within technology has created an eruption of potential applications in numerous professional industries. Techniques such as data analysis, cloud computing, machine learning, and others have altered the traditional processes of various disciplines including healthcare, economics, transportation, and politics. Information technology in today's world is beginning to uncover opportunities for experts in these fields that they are not yet aware of. The exposure of specific instances in which these devices are being implemented will assist other specialists in how to successfully utilize these transformative tools with the appropriate amount of discretion, safety, and awareness. Considering the level of diverse uses and practices throughout the globe, the fifth edition of the Encyclopedia of Information Science and Technology series continues the enduring legacy set forth by its predecessors as a premier reference that contributes the most cutting-edge concepts and methodologies to the research community. The Encyclopedia of Information Science and Technology, Fifth Edition is a three-volume set that includes 136 original and previously unpublished research chapters that present multidisciplinary research and expert insights into new methods and processes for understanding modern technological tools and their applications as well as emerging theories and ethical controversies surrounding the field of information science. Highlighting a wide range of topics such as natural language processing, decision support systems, and electronic government, this book offers strategies for implementing smart devices and analytics into various professional disciplines. The techniques discussed in this publication are ideal for IT professionals, developers, computer scientists, practitioners, managers, policymakers, engineers, data analysts, and programmers seeking to understand the latest developments within this field and who are looking to apply new tools and policies in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to software engineering, cybersecurity, information technology, media and communications, urban planning, computer science, healthcare, economics, environmental science, data management, and political science will benefit from the extensive knowledge compiled within this publication.

Research Anthology on Social Media Advertising and Building Consumer Relationships Management Association, Information Resources 2022-05-13 Social media has become a key tool that businesses must utilize in all areas of their practices to build relationships with their customer base and promote their products. This technology is no longer optional as those who do not take advantage of the many benefits it offers continue to struggle with outdated practices. In order for businesses to flourish, further study on the advantages social media provides in the areas of marketing and developing consumer relationships is required. The Research Anthology on Social Media Advertising and Building Consumer Relationships considers best practices and strategies of utilizing social media successfully throughout various business fields to promote products, build relationships, and maintain relevancy. This book also discusses common pitfalls and challenges companies face as they attempt to create a name for themselves in the online world. Covering topics such as marketing, human aspects of business, and branding, this major reference work is crucial for managers, business owners, entrepreneurs, researchers, scholars, academicians, practitioners, instructors, and students.

Construction Technology Roy Chudley 1987 The four volumes of Construction Technology provide a comprehensive guide to building technology from simple domestic single storey construction using traditional techniques to more complex multi-storey construction using more modern industrialised techniques. Each volume describes the technology concisely and is well illustrated with the author's own illustrations. The series provides a basic knowledge of all building activities from basic methods of construction in the early volumes through to more complex topics such as site planning, curtain walling and builders plant in later volumes. The series concentrates on the technology and avoids lengthy descriptive passages, leaving the description to the author's very detailed drawings. Volume 2 completes the coverage of conventional methods and materials of construction. As with volume 1, it deals with the construction of a small structure such as a bungalow or two-storey house. The book introduces more complex topics than are covered in volume 1. It deals with site and temporary works, e.g. simple excavations and scaffolding; substructure topics such as retaining walls and reinforce concrete foundations; simple framed buildings; floors and roof structures such as precast concrete floors and asphalt and lead-covered roofs; finishes and fittings such as simple concrete stairs; insulation; and services such as electrical and gas installations.

At the Schoolhouse Gate Nancy C. Patterson 2022-01-01 The objective of this edited volume is to shed light upon K-12 perspectives of various school stakeholders in the current unique context of increasing political polarization and heightened teacher and student activism. It is grounded in academic freedom case law and the majority of opinion of the Supreme Court in the Tinker v. Des Moines Independent Community School District (1969) that held that certain forms of expression are protected by the First Amendment. Justice Fortas wrote in the majority opinion that "it can hardly be argued that either students or teachers shed their constitutional rights to freedom of speech or expression at the schoolhouse gate." This volume is timely and instructive, as protections afforded by the First Amendment are a topic of enduring concern, with such freedoms requiring vigilant advocacy and protection from each generation. Paulo Freire stated, "Citizenship is not obtained by chance: It is a construction that, never finished, demands we fight for it" (1998, p. 90). There is confusion and much debate in and outside of schools about how and when these and other rights described in the First Amendment may or may not be limited, and the time is now to clarify the place of such rights in public education. At the Schoolhouse Gate is divided into three sections: Foundations, Case Studies of Rights in Schools, and Choices to Act. The "Foundations" section presents the case law pertaining to the rights of both teachers and students, setting the tone for what presently is permissible and chronicling the ongoing struggle with defining rights and responsibilities in schools. In "Case Studies of Rights in Schools," various authors examine teacher and student interactions with rights and responsibilities in schools, including the interest of students in participating with their teachers in the democratic experiment of schooling, the promise of student-led conferences, a new teacher's success with democratizing her classroom, and student views of news and technology. "Choices to Act" includes a portrait of teacher activism during the Oklahoma Walkout, a general counsel's advice to teachers for availing themselves of their rights, a story of a civic education curriculum generating student agency, and vignettes of two public high school students who took action in their schools and communities.

Techniques for Fostering Collaboration in Online Learning Communities: Theoretical and Practical Perspectives Pozzi, Francesca 2010-09-30 "This book provides a focused assessment of the peculiarities of online collaborative learning processes by looking at the strategies, methods, and techniques used to support and enhance debate and exchange among peers"--Provided by publisher.

Soils in Construction Warren Lee Schroeder 2004 This book uses only simple mathematics and emphasizes applications to explore the nature of soils and how they can influence certain construction operations. An introduction to soil materials is followed by a discussion of soils in the construction contract. Specifications from example contracts influenced by soil materials are discussed, as are the applications of soil behavior principles. For contractors, owners, technicians, lawyers, and engineers in the construction field.

Core Curriculum Trainee Guide NCCER 2015 Welcome to the world of construction! Construction is one of the largest industries, offering excellent opportunities for high earnings, career advancement, and business ownership. Work in construction offers a great variety of career opportunities. People with many different talents and educational backgrounds -- skilled craftspersons, managers, supervisors, and superintendents -- find job opportunities in construction and related fields. As you will learn throughout your training, many other industries depend upon the work you will do in construction. From houses and office buildings to factories, roads, and bridges -- everything begins with construction. -- Preface

A 21st Century Employability Skills Improvement Framework for the Construction Industry John Aliu 2021-04-30 This book will provide readers with an understanding of the employability concept and develop an employability skills improvement model to enhance the employability of built environment graduates to foster economic development. The developed model determines the influence of generic skills, discipline specific skills, work-integrated learning, emotional intelligence, university-industry collaboration outcomes and 4IR knowledge in predicting the outcomes of improved graduate employability. The model is developed with a theoretical lens on existing frameworks of employability and skills development. Whilst drawing comparisons with countries such as the UK, USA, Australia and Canada, the authors present the results of a two-stage Delphi survey in South Africa as a case study on the current state of skills development and on the skills of the future. The case study is presented in line with the South Africa's long-term National Development Plan (NDP) aimed at developing the key capabilities and skills of its citizens by ensuring quality education on a broader scale by 2030. As automation continues to rapidly advance, the pressures on universities to revamp and restructure their curricula have become increasingly necessary. This book recommends that higher education institutions urgently need to intensify their efforts by introducing significant modifications to the science and technology curriculum to enable students to develop and acquire competencies in the rapidly emerging areas of artificial intelligence, data science, robotics, advanced simulation, data communication, system automation, real-time inventory operations, cloud computing, and information technologies. This implies that universities' curriculum should be infused with 4IR thinking within the conventional primary sciences of biology, chemistry, and physics, with greater emphasis on digital literacy to boost 4IR understanding amongst the graduates. The book is therefore of interest to researchers and policy makers in the built environment that are placed in academia, the construction industry or at consultancy levels, it provides significant recommendations for universities as they intensify their efforts to develop graduates for the future.

Forensic Approaches to Buried Remains John Hunter 2013-08-28 The field of forensic archaeology has developed over recentyears from being a branch of conventional archaeology into awell-established discipline in its own right. ForensicApproaches to Buried Remains takes an innovative approach tothe subject by placing the role of the forensic archaeologistwithin the wider forensic environment; it identifies new areas ofinterdisciplinary research and practice, and evaluates practicaldifficulties. The authors see this book as a reflection of the subject'sdevelopment, and as a knowledge base for the next generation offorensic archaeologists. Areas covered include: Search logistics, integration and specialist searchscenarios Levels of confidence in site search and elimination Urban and rural landscape reconstruction in both short and longterm cases The integration of cadaver dogs and earth-moving machinery The recovery of multiple evidence types Sampling strategies, spatial relevance and dating Multiple burial scenarios As part of the Essential Forensic Science book seriesthis book will provide students and practitioners alike with aninvaluable resource outlining both the major developments in thediscipline, as well as original approaches to the search for, andrecovery of buried remains.

Handbook of Research on Technology Applications for Effective Customer Engagement Mohd Suki, Norazah 2020-09-04 In the challenging digital economy, bridging the gap between the external stakeholder and business entities through effective applications of technology carries more importance than ever before. By building a strong online presence and maintaining a long-lasting relationship with valuable customers through high-quality customer experience, companies continue to thrive. It is therefore vital research on the utilization of the best research practices for consumer satisfaction and loyalty. While highlighting topics such as target marketing, consumer behavior, and brand equity, this publication explores the applications of modern technology in marketing as well as recent business activities of international companies. This book is ideally designed for business professionals, practitioners, marketers, advertisers, brand managers, retailers, managers, academics, researchers, and graduate-level students.

Carole Ryan 2011-01-13 Since the spread of classical design and construction amongst the upper echelons of British society in the late seventeenth century, traditional construction methods have largely fallen by the wayside. Centuries later, as the construction industry faces up to its environmental responsibilities, this book explores its rich and ancient tradition to provide tried and trusted solutions to modern day construction problems. By way of introduction, the ancient and historical lifestyles that dictated the nature of traditional construction are explored, before focussing on its health and ecological benefits. As well as cultural background, this book includes a detailed scientific description of traditional building materials and their constituents which draws a sharp contrast with modern petrochemical-based materials. The studies of traditional buildings included reveal the sustainability of features such as natural ventilation and breathing walls, and comparisons with modern construction methods show how they could prevent 'sick building syndrome'. The author argues that maintenance for long life, by contrast with the modern concept of life-cycle costing, is at the nub of sustainability and underlies the contribution traditional building construction can make to tackling climate change. Over 250 original photos, and over fifty bespoke diagrams illustrate the features, techniques, and characteristics of traditional construction that could make such a valuable contribution to the industry today. The inclusion of a close study of how these methods relate to British building regulations makes this book a practical guide for construction professionals, as well as an authoritative resource for students and policy-makers.

Building Teachers: A Constructivist Approach to Introducing Education David Jerner Martin 2013-06-25 Designed from the ground up with a constructivist framework, BUILDING TEACHERS: A CONSTRUCTIVIST APPROACH TO INTRODUCING EDUCATION, 2nd Edition helps future teachers create their own understanding of education. As the authors address the key topics generally covered in an introductory book, they encourage readers to develop their own understandings of education. Highlights of the new edition include stronger standards integration and expanded material on diversity and technology. By interacting with the materials presented, rather than merely memorizing the book's content, readers learn what teaching is all about in an exploratory, inquiring, constructivist-based manner. In turn, they can help the children in their classrooms learn meaningfully. Available with InfoTrac Student Collections http://gocengage.com/infotrac. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Traditional Construction for a Sustainable Future