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Parenting Matters

Being deployed to a war zone can result in numerous adverse psychological health conditions. It is well documented in the literature that there are high rates of psychological disorders among military personnel serving in Operation Enduring Freedom in Afghanistan and Operation Iraqi Freedom in Iraq as well as among the service members' families. For service members' families, the degree of hardship and negative consequences rises with the amount of the service members' exposure to traumatic or life-altering experiences. Adult and child members of the families of service members who experience wartime deployments have been found to be at increased risk for symptoms of psychological disorders and to be more likely to use mental health services. In an effort to provide early recognition and early intervention that meet the psychological health needs of service members and their families, DOD currently screens for many of these conditions at numerous points during the military life cycle, and it is implementing structural interventions that support the improved integration of military line personnel, non-medical caregivers, and clinicians, such as RESPECT-Mil (Re-engineering Systems of Primary Care Treatment in the Military), embedded mental health providers, and the Patient-Centered Medical Home. Preventing Psychological Disorders in Service Members and Their Families evaluates risk and protective factors in military and family populations and suggests that

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prevention strategies are needed at multiple levels - individual, interpersonal, institutional, community, and societal - in order to address the influence that these factors have on psychological health. This report reviews and critiques reintegration programs and prevention strategies for PTSD, depression, recovery support, and prevention of substance abuse, suicide, and interpersonal violence.

Exceptional Child Education Resources

This book contrasts authentic approaches to education with classroom practices based primarily on standards external to the individuals who are supposed to learn. While other books tend to promote either a desperate scramble for meeting standards or determined resistance to neoliberal reforms, this book fills that gap in ways that will inspire practitioners, prospective teachers, and teacher educators. Mandates pay only lip service to constructivist and social constructivist principles while thwarting the value of both students and teachers actively creating understandings. Authors in this book assert the central importance of a range of constructivist approaches to teaching, learning, and thinking, inviting careful reflection on the goals and values of education.

Eager to Learn

As a consequence of the federal "No Child Left Behind" (NCLB) law, there is tremendous pressure on school principals, teachers, school superintendents,

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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.

Preventing Psychological Disorders in Service Members and Their Families

Excerpta Medica

Transforming the Workforce for Children Birth Through Age 8

Where Great Teaching Begins

First published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

World Ocean Assessment

Preparing Teachers

What comes to mind when you think about lesson planning? If you're like most teachers, you focus on the material you need to present, what you will do and say, what you will ask students to do, and the assessments you will create and administer. And if you're like most teachers, you also know what it's like to be disappointed when this careful planning doesn't always lead to the deep understanding and mastery you'd intended. There's a better way to approach instructional design says author and teacher-educator Ann R. Reeves, and it's within every teacher's grasp. It begins with a simple mental shift from "planning for activities" to "planning for learning outcomes" and a critical concentration on learning objectives. Remarkable for its clarity and filled with vivid examples, *Where Great Teaching Begins* is a step-by-

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step walk through the crucial, behind-the-scenes intellectual work necessary to make instruction truly effective and help students learn deeply and meaningfully. Here, you'll discover how to * Translate even the most inscrutable standards into strong, learning-focused objectives. * Use effective objectives as the basis for excellent assessment. * Craft engaging learning activities that incorporate both targeted content and necessary thinking skills. * Pull objectives, assessments, and learning activities together into powerful plans for learning. Whether you're a novice instructional designer or a veteran seeking a new, streamlined process, this book is a must-read take on how to plan and achieve the excellent learning all teachers aim for and all students deserve.

American Book Publishing Record

Predictive policing is the use of analytical techniques to identify targets for police intervention with the goal of preventing crime, solving past crimes, or identifying potential offenders and victims. These tools are not a substitute for integrated approaches to policing, nor are they a crystal ball. This guide assesses some of the most promising technical tools and tactical approaches for acting on predictions in an effective way.

Dissertation Abstracts International

Assuming no prior knowledge, Educational Research by R. Burke Johnson and Larry Christensen offers a

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comprehensive, easily digestible introductory research methods text for undergraduate and graduate students. Readers will develop an understanding of the multiple research methods and strategies used in education and related fields; how to read and critically evaluate published research; and the ability to write a proposal, construct a questionnaire, and conduct an empirical research study on their own. Students rave about the clarity of this best seller and its usefulness for their studies, enabling them to become critical consumers and users of research.

Predictive Analytics

Distance Education for Teacher Training

Assessing Genetic Risks

"Mesmerizing & fascinating" —The Seattle Post-Intelligencer "The Freakonomics of big data." —Stein Kretsinger, founding executive of Advertising.com
Award-winning | Used by over 30 universities | Translated into 9 languages
An introduction for everyone. In this rich, fascinating — surprisingly accessible — introduction, leading expert Eric Siegel reveals how predictive analytics (aka machine learning) works, and how it affects everyone every day. Rather than a “how to” for hands-on techies, the book serves lay readers and experts alike by covering new case studies and the latest state-of-the-art

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techniques. Prediction is booming. It reinvents industries and runs the world. Companies, governments, law enforcement, hospitals, and universities are seizing upon the power. These institutions predict whether you're going to click, buy, lie, or die. Why? For good reason: predicting human behavior combats risk, boosts sales, fortifies healthcare, streamlines manufacturing, conquers spam, optimizes social networks, toughens crime fighting, and wins elections. How? Prediction is powered by the world's most potent, flourishing unnatural resource: data. Accumulated in large part as the by-product of routine tasks, data is the unsalted, flavorless residue deposited en masse as organizations churn away. Surprise! This heap of refuse is a gold mine. Big data embodies an extraordinary wealth of experience from which to learn. Predictive analytics (aka machine learning) unleashes the power of data. With this technology, the computer literally learns from data how to predict the future behavior of individuals. Perfect prediction is not possible, but putting odds on the future drives millions of decisions more effectively, determining whom to call, mail, investigate, incarcerate, set up on a date, or medicate. In this lucid, captivating introduction — now in its Revised and Updated edition — former Columbia University professor and Predictive Analytics World founder Eric Siegel reveals the power and perils of prediction: What type of mortgage risk Chase Bank predicted before the recession. Predicting which people will drop out of school, cancel a subscription, or get divorced before they even know it themselves. Why early retirement predicts a shorter life expectancy and vegetarians

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miss fewer flights. Five reasons why organizations predict death — including one health insurance company. How U.S. Bank and Obama for America calculated the way to most strongly persuade each individual. Why the NSA wants all your data: machine learning supercomputers to fight terrorism. How IBM's Watson computer used predictive modeling to answer questions and beat the human champs on TV's Jeopardy! How companies ascertain untold, private truths — how Target figures out you're pregnant and Hewlett-Packard deduces you're about to quit your job. How judges and parole boards rely on crime-predicting computers to decide how long convicts remain in prison. 182 examples from Airbnb, the BBC, Citibank, ConEd, Facebook, Ford, Google, the IRS, LinkedIn, Match.com, MTV, Netflix, PayPal, Pfizer, Spotify, Uber, UPS, Wikipedia, and more. How does predictive analytics work? This jam-packed book satisfies by demystifying the intriguing science under the hood. For future hands-on practitioners pursuing a career in the field, it sets a strong foundation, delivers the prerequisite knowledge, and whets your appetite for more. A truly omnipresent science, predictive analytics constantly affects our daily lives. Whether you are a consumer of it — or consumed by it — get a handle on the power of Predictive Analytics.

Current Index to Journals in Education

Building a Smarter University

Assessment of Older Adults with Diminished Capacity

Predictive Policing

Teachers make a difference. The success of any plan for improving educational outcomes depends on the teachers who carry it out and thus on the abilities of those attracted to the field and their preparation. Yet there are many questions about how teachers are being prepared and how they ought to be prepared. Yet, teacher preparation is often treated as an afterthought in discussions of improving the public education system. *Preparing Teachers* addresses the issue of teacher preparation with specific attention to reading, mathematics, and science. The book evaluates the characteristics of the candidates who enter teacher preparation programs, the sorts of instruction and experiences teacher candidates receive in preparation programs, and the extent that the required instruction and experiences are consistent with converging scientific evidence. *Preparing Teachers* also identifies a need for a data collection model to provide valid and reliable information about the content knowledge, pedagogical competence, and effectiveness of graduates from the various kinds of teacher preparation programs. Federal and state policy makers need reliable, outcomes-based information to make sound decisions, and teacher educators need to know how best to contribute to the development of effective teachers. Clearer understanding of the

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content and character of effective teacher preparation is critical to improving it and to ensuring that the same critiques and questions are not being repeated 10 years from now.

Testing in American Schools

A History of American Gifted Education

Provides the foundation for casework practice in Child Protective Services (CPS). Describes the basic stages of the CPS process and the steps necessary to accomplish successfully each stage: intake, initial assessment/investigation, family assessment, case planning, service provision, and evaluation of family progress and case closure. Designed primarily for CPS caseworkers, supervisors, and administrators. Glossary. Bibliography.

Comprehensive Dissertation Index, 1861-1972: Education

American Doctoral Dissertations

This report is OECD's first attempt to gather and synthesise developments in measuring the social effects of education. It focuses on health and civic and social engagement.

ERIC Educational Documents Index

Educational Research

Higher education institutions have experienced a sharp increase in demand for accountability. To meet the growing demand by legislators, accreditors, consumers, taxpayers, and parents for evidence of successful outcomes, this important book provides higher education leaders and practitioners with actionable strategies for developing a comprehensive data culture throughout the entire institution. Exploring key considerations necessary for the development of an effective data culture in colleges and universities, this volume brings together diverse voices and perspectives, including institutional researchers, senior academic leaders, and faculty. Each chapter focuses on a critical element of managing or influencing a data culture, approaches for breaking through common challenges, and concludes with practical, research-based implementation strategies. Collectively, these strategies form a comprehensive list of recommendations for developing a data culture and becoming a change agent within your higher education institution.

Comprehensive Dissertation Index

Security Clearance Issues, Problems, Denials and Revocations (If you have a security clearance with no issues, then you don't need this book. If, however, you are worried about any aspect of your security clearance, then you absolutely need this book!)
Attorney Ronald C. Sykstus first started handling

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security clearance matters as a prosecutor in the United States Army. Subsequent to that, he defended active-duty soldiers and officers who were having their clearances revoked. He has continued his security clearance defense practice as a civilian lawyer since he left the United States Army with an honorable discharge. Ron is very aware of the importance of having a security clearance for obtaining meaningful and well-compensated employment, both within the government and in the private contracting industry. This book covers all aspects of the security clearance. It is especially geared toward people who not only run into problems with their existing security clearance, but also for those who have concerns about getting a security clearance and making sure that their clearance or job is not jeopardized down the road. This book addresses people's concerns at all phases of the security clearance process, and it does so in a way that makes sense and is easy to understand.

The Education Index

Child Protective Services

Decades of research have demonstrated that the parent-child dyad and the environment of the family—which includes all primary caregivers—are at the foundation of children's well-being and healthy development. From birth, children are learning and rely on parents and the other caregivers in their lives to protect and care for them. The impact of parents

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may never be greater than during the earliest years of life, when a child's brain is rapidly developing and when nearly all of her or his experiences are created and shaped by parents and the family environment. Parents help children build and refine their knowledge and skills, charting a trajectory for their health and well-being during childhood and beyond. The experience of parenting also impacts parents themselves. For instance, parenting can enrich and give focus to parents' lives; generate stress or calm; and create any number of emotions, including feelings of happiness, sadness, fulfillment, and anger. Parenting of young children today takes place in the context of significant ongoing developments. These include: a rapidly growing body of science on early childhood, increases in funding for programs and services for families, changing demographics of the U.S. population, and greater diversity of family structure. Additionally, parenting is increasingly being shaped by technology and increased access to information about parenting. Parenting Matters identifies parenting knowledge, attitudes, and practices associated with positive developmental outcomes in children ages 0-8; universal/preventive and targeted strategies used in a variety of settings that have been effective with parents of young children and that support the identified knowledge, attitudes, and practices; and barriers to and facilitators for parents' use of practices that lead to healthy child outcomes as well as their participation in effective programs and services. This report makes recommendations directed at an array of stakeholders, for promoting the wide-scale adoption of effective programs and services for parents and on

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areas that warrant further research to inform policy and practice. It is meant to serve as a roadmap for the future of parenting policy, research, and practice in the United States.

Resources in education

Demonstrates how universities can use Big Data to enhance operations and management, improve the education pipeline, and educate the next generation of data scientists. The Big Data movement and the renewed focus on data analytics are transforming everything from healthcare delivery systems to the way cities deliver services to residents. Now is the time to examine how this Big Data could help build smarter universities. While much of the cutting-edge research that is being done with Big Data is happening at colleges and universities, higher education has yet to turn the digital mirror on itself to advance the academic enterprise. Institutions can use the huge amounts of data being generated to improve the student learning experience, enhance research initiatives, support effective community outreach, and develop campus infrastructure. This volume focuses on three primary themes related to creating a smarter university: refining the operations and management of higher education institutions, cultivating the education pipeline, and educating the next generation of data scientists. Through an analysis of these issues, the contributors address how universities can foster innovation and ingenuity in the academy. They also provide scholarly and practical insights in order to frame these topics for an international discussion.

The Chemistry and Biology of Mineralized Tissues

STEM Road Map: A Framework for Integrated STEM Education is the first resource to offer an integrated STEM curricula encompassing the entire K-12 spectrum, with complete grade-level learning based on a spiraled approach to building conceptual understanding. A team of over thirty STEM education professionals from across the U.S. collaborated on the important work of mapping out the Common Core standards in mathematics and English/language arts, the Next Generation Science Standards performance expectations, and the Framework for 21st Century Learning into a coordinated, integrated, STEM education curriculum map. The book is structured in three main parts—Conceptualizing STEM, STEM Curriculum Maps, and Building Capacity for STEM—designed to build common understandings of integrated STEM, provide rich curriculum maps for implementing integrated STEM at the classroom level, and supports to enable systemic transformation to an integrated STEM approach. The STEM Road Map places the power into educators' hands to implement integrated STEM learning within their classrooms without the need for extensive resources, making it a reality for all students.

Artificial Intelligence In Medicine

This book introduces the field of artificial intelligence in medicine, a new research area that combines sophisticated representational and computing

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techniques with the insights of expert physicians to produce tools for improving health care. An introductory chapter describes the historical and technical foundations of the work and provides an overview of the current state of the art and research directions. The authors then describe four prototype computer programs that tackle difficult clinical problems in a manner similar to that of an expert physician. The programs presented are internist, a diagnostic aid that combines a large database of disease/manifestation associations with techniques for problem formulation; expert and the Glaucoma Program which use physiological models for the diagnosis and treatment of eye disease; mycin, a rule-based program for diagnosis and therapy selection for infectious diseases; and the Digitalis Therapy Advisor, which aids the physician in prescribing the right dose of the drug digitalis and also explains its actions.

Journal of Geoscience Education

Understanding the Social Outcomes of Learning

Clearly babies come into the world remarkably receptive to its wonders. Their alertness to sights, sounds, and even abstract concepts makes them inquisitive explorers--and learners--every waking minute. Well before formal schooling begins, children's early experiences lay the foundations for their later social behavior, emotional regulation, and literacy. Yet, for a variety of reasons, far too little

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attention is given to the quality of these crucial years. Outmoded theories, outdated facts, and undersized budgets all play a part in the uneven quality of early childhood programs throughout our country. What will it take to provide better early education and care for our children between the ages of two and five? Eager to Learn explores this crucial question, synthesizing the newest research findings on how young children learn and the impact of early learning. Key discoveries in how young children learn are reviewed in language accessible to parents as well as educators: findings about the interplay of biology and environment, variations in learning among individuals and children from different social and economic groups, and the importance of health, safety, nutrition and interpersonal warmth to early learning. Perhaps most significant, the book documents how very early in life learning really begins. Valuable conclusions and recommendations are presented in the areas of the teacher-child relationship, the organization and content of curriculum, meeting the needs of those children most at risk of school failure, teacher preparation, assessment of teaching and learning, and more. The book discusses: Evidence for competing theories, models, and approaches in the field and a hard look at some day-to-day practices and activities generally used in preschool. The role of the teacher, the importance of peer interactions, and other relationships in the child's life. Learning needs of minority children, children with disabilities, and other special groups. Approaches to assessing young children's learning for the purposes of policy decisions, diagnosis of educational difficulties, and instructional planning. Preparation and continuing

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development of teachers. Eager to Learn presents a comprehensive, coherent picture of early childhood learning, along with a clear path toward improving this important stage of life for all children.

Sociological Abstracts

The Cost-effectiveness of 22 Approaches for Raising Student Achievement

"A subject-author-institution index which provides titles and accession numbers to the document and report literature that was announced in the monthly issues of Resources in education" (earlier called Research in education).

Constructivist Education in an Age of Accountability

Children are already learning at birth, and they develop and learn at a rapid pace in their early years. This provides a critical foundation for lifelong progress, and the adults who provide for the care and the education of young children bear a great responsibility for their health, development, and learning. Despite the fact that they share the same objective - to nurture young children and secure their future success - the various practitioners who contribute to the care and the education of children from birth through age 8 are not acknowledged as a

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workforce unified by the common knowledge and competencies needed to do their jobs well.

Transforming the Workforce for Children Birth Through Age 8 explores the science of child development, particularly looking at implications for the professionals who work with children. This report examines the current capacities and practices of the workforce, the settings in which they work, the policies and infrastructure that set qualifications and provide professional learning, and the government agencies and other funders who support and oversee these systems. This book then makes recommendations to improve the quality of professional practice and the practice environment for care and education professionals. These detailed recommendations create a blueprint for action that builds on a unifying foundation of child development and early learning, shared knowledge and competencies for care and education professionals, and principles for effective professional learning. Young children thrive and learn best when they have secure, positive relationships with adults who are knowledgeable about how to support their development and learning and are responsive to their individual progress. Transforming the Workforce for Children Birth Through Age 8 offers guidance on system changes to improve the quality of professional practice, specific actions to improve professional learning systems and workforce development, and research to continue to build the knowledge base in ways that will directly advance and inform future actions. The recommendations of this book provide an opportunity to improve the quality of the care and the education that children receive, and ultimately

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improve outcomes for children.

STEM Road Map

A History of American Gifted Education provides the first comprehensive history of the field of gifted education, which is essential to recognizing its contribution to the overall American educational landscape. The text relies heavily on primary documents and artifacts as well as essential secondary documents such as the disparate historical texts and relevant biographies that already exist. This book commences its investigation of American gifted education with the founding of the field of psychology and subsequently gifted education at the early part of the 20th century and concludes just over a century later with the passage of the No Child Left Behind Act in 2001.

Cultivating a Data Culture in Higher Education

Raising hopes for disease treatment and prevention, but also the specter of discrimination and "designer genes," genetic testing is potentially one of the most socially explosive developments of our time. This book presents a current assessment of this rapidly evolving field, offering principles for actions and research and recommendations on key issues in genetic testing and screening. Advantages of early genetic knowledge are balanced with issues associated with such knowledge: availability of treatment, privacy and discrimination, personal

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decisionmaking, public health objectives, cost, and more. Among the important issues covered: Quality control in genetic testing. Appropriate roles for public agencies, private health practitioners, and laboratories. Value-neutral education and counseling for persons considering testing. Use of test results in insurance, employment, and other settings.

ERIC Educational Documents Index, 1966-69: Minor descriptors and author index

Security Clearance Issues, Problems, Denials and Revocations

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