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Calculus for Business, Economics, and the Social and Life Sciences - Laurence D. Hoffmann
2007-06-01

Calculus for Business, Economics, and the Social and Life Sciences introduces calculus in real-world contexts and provides a sound, intuitive understanding of the basic concepts students need as they pursue careers in business, the life sciences, and the social sciences. The new Ninth Edition builds on the straightforward writing style, practical applications from a variety of disciplines, clear step-by-step problem solving techniques, and comprehensive exercise sets that have been hallmarks of Hoffmann/Bradley's success through the years.

Anatomy & Physiology - WENDY. RAPPAZZO 2019-01-11

Rights of Students - David L. Hudson 2009

Is it fair to restrict certain students' rights in order to make schools safer?

The Covenant with Black America - Ten Years Later - Tavis Smiley 2016-01-05

In 2006, Tavis Smiley—along with a team of esteemed contributors—laid out a national plan of action to address the ten most crucial issues facing African Americans. The Covenant, which became a #1 New York Times bestseller, ran the gamut from health care to criminal justice, affordable housing to education, voting rights to racial divides. But a decade later, Black men still fall to police bullets and brutality, Black women still die from preventable diseases, Black children still struggle to get a high quality education, the digital divide and environmental inequality persist, and American cities from Ferguson to Baltimore burn with frustration. In short, the last decade has seen the evaporation of Black wealth, with Black fellow citizens having lost ground in nearly every leading economic category. And so in these pages Smiley calls for a renewal of The Covenant, presenting the original action plan alongside new data from the Indiana University School of Public & Environmental Affairs (SPEA) to underscore missed opportunities and the work that remains to be done. While life for far too many African Americans remains a struggle, the great freedom fighter Frederick Douglass was right: "If there is no struggle, there is no progress." Now is the time to finally convert the trials and tribulations of Black America into the progress that all of America yearns for.

Transforming the Workforce for Children Birth Through Age 8 - National Research Council
2015-07-23

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 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 improve outcomes for children.

Yearbook of International Organizations 2013-2014 - Union of International Associations
2013-06-21

Volume 1 (A and B) of the Yearbook of International Organizations covers international organizations throughout the world, comprising their aims, activities and events

Grit - Angela Duckworth 2016-05-03

In this instant New York Times bestseller, Angela Duckworth shows anyone striving to succeed that the secret to outstanding achievement is not talent, but a special blend of passion and persistence she calls "grit." "Inspiration for non-geniuses everywhere" (People). The daughter of a scientist who frequently noted her lack of "genius," Angela Duckworth is now a celebrated researcher and professor. It was her early eye-opening stints in teaching, business consulting, and neuroscience that led to her hypothesis about what really drives success: not genius, but a unique combination of passion and long-term perseverance. In *Grit*, she takes us into the field to visit cadets struggling through their first days at West Point, teachers working in some of the toughest schools, and young finalists in the National Spelling Bee. She also mines fascinating insights from history and shows what can be gleaned from modern experiments in peak performance. Finally, she shares what she's learned from interviewing dozens of high achievers—from JP Morgan CEO Jamie Dimon to New Yorker cartoon editor Bob Mankoff to Seattle Seahawks Coach Pete Carroll. "Duckworth's ideas about the cultivation of tenacity have clearly changed some lives for the better" (The New York Times Book Review). Among *Grit's* most valuable insights: any effort you make ultimately counts twice toward your goal; grit can be learned, regardless of IQ or circumstances; when it comes to child-rearing, neither a warm embrace nor high standards will work by themselves; how to trigger lifelong interest; the magic of the Hard Thing Rule; and so much more. Winningly personal, insightful, and even life-changing, *Grit* is a book about what goes through your head when you fall down, and how that—not talent or luck—makes all the difference. This is "a fascinating tour of the psychological research on success" (The Wall Street Journal).

Anatomy & Physiology - 2016

The Promise of Adolescence - National Academies of Sciences, Engineering, and Medicine
2019-07-26

Adolescence "beginning with the onset of puberty and ending in the mid-20s" is a critical period of development during which key areas of the brain mature and develop. These changes in brain structure, function, and connectivity mark adolescence as a period of opportunity to discover new vistas, to form relationships with peers and adults, and to explore one's developing identity. It is also a period of resilience that can ameliorate childhood setbacks and set the stage for a thriving trajectory over the life course. Because adolescents comprise nearly one-fourth of the entire U.S. population, the nation needs policies and practices that will better leverage these developmental opportunities to harness the promise of adolescence "rather than focusing myopically on containing its risks. This report examines the neurobiological and socio-behavioral science of adolescent development and outlines how this knowledge can be applied, both to promote adolescent well-being, resilience, and development, and to rectify structural barriers and inequalities in opportunity, enabling all adolescents to flourish.

Guiding Children's Social Development and Learning: Theory and Skills - Marjorie Kostelnik
2016-12-05

Updated throughout and featuring an emphasis on NAEYC and other standards, *GUIDING CHILDREN'S SOCIAL DEVELOPMENT AND LEARNING: THEORY AND SKILLS*, Ninth Edition, provides a comprehensive overview of child guidance and social development. Focusing on children from ages birth through 12 years, it provides a seamless transition from the pre-primary to the primary years and addresses the needs of practitioners working with children in a variety of group settings. Readers learn how to help children develop social competence and positive feelings about themselves, and how to work with children and families from many different backgrounds and circumstances. The book eliminates much of the guesswork and frustration that can hinder practitioners' efforts to influence children's social development and behavior -- providing a unified framework for decision-making and professional practice that incorporates sound principles of children's development, relationship enhancement, and behavior management. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Resources in Education - 1980

Serves as an index to Eric reports [microform].

Metacognition and Reading Comprehension - Ruth Garner 1987

Developmental psychologists have been interested in metacognitive phenomena since the early 1970s, while reading researchers have been interested in awareness, monitoring, and strategy use for text-processing as part of a shift in focus from text factors to reader factors in reading. A great many research studies have been conducted by psychologists and reading researchers under the rubric of metacognition. Unlike other chapters from some edited books which present only syntheses of this burgeoning research literature, this volume not only presents the literature but provides analysis about its usefulness for researchers and practitioners. It also presents a discussion of important methodological dilemmas within these research literatures.

She Preached the Word - Benjamin R. Knoll 2018-06-01

She Preached the Word is a landmark study of women's ordination in contemporary American congregations. In this groundbreaking work, Benjamin R. Knoll and Cammie Jo Bolin draw upon a novel collection of survey data and personal narrative interviews to answer several important questions, including: Who supports women's ordination in their congregations? What are the most common reasons for and against women's ordination? What effect do female clergy have on young women and girls, particularly in terms of their psychological, economic, and religious empowerment later in life? How do women clergy affect levels of congregational attendance and engagement among members? What explains the persistent gender gap in America's clergy?

Knoll and Bolin find that female clergy do indeed matter, but not always in the ways that might be expected. They show, for example, that while female clergy have important effects on women in the pews, they have stronger effects on theological and political liberals. Throughout this book, Knoll and Bolin discuss how the persistent gender gap in the wider economic, social, and political spheres will likely continue so long as women are underrepresented in America's pulpits. Accessible to scholars and general readers alike, *She Preached the Word* is a timely and important contribution to our understanding of the intersection of gender, religion, and politics in contemporary American society.

Guide for the Care and Use of Laboratory Animals - National Research Council 2011-01-27

A respected resource for decades, the *Guide for the Care and Use of Laboratory Animals* has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

The Joy of the Gospel - Pope Francis 2014-10-07

The perfect gift! A specially priced, beautifully designed hardcover edition of *The Joy of the Gospel* with a foreword by Robert Barron and an afterword by James Martin, SJ. "The joy of the gospel fills the hearts and lives of all who encounter Jesus... In this Exhortation I wish to encourage the Christian faithful to embark upon a new chapter of evangelization marked by this joy, while pointing out new paths for the Church's journey in years to come." - Pope Francis This special edition of Pope Francis's popular message of hope explores themes that are important for believers in the 21st century. Examining the many obstacles to faith and what can be done to overcome those hurdles, he emphasizes the importance of service to God and all his creation. Advocating for "the homeless, the addicted, refugees, indigenous peoples, the elderly who are increasingly isolated and abandoned," the Holy Father shows us how to respond to poverty and current economic challenges that affect us locally and globally. Ultimately, Pope Francis demonstrates how to develop a more personal relationship with Jesus Christ, "to recognize the traces of God's Spirit in events great and small." Profound in its insight, yet warm and accessible in its tone, *The Joy of the Gospel* is a call to action to live a life motivated by divine love and, in turn, to experience heaven on earth. Includes a foreword by Robert Barron, author of *Catholicism: A Journey to the Heart of the Faith* and James Martin, SJ, author of *Jesus: A Pilgrimage*

Mindfulness and Meditation for Adolescents - Betsy L. Wisner 2017-07-10

This book describes mindfulness and meditation practices and programs for adolescents by

situating the topic in a bio-psycho-social-cultural approach. Using this framework, the benefits of these practices and programs for adolescents— with an emphasis on evidence-based practices—are explored. In addition to programs based on mindfulness, meditation programs using Transcendental Meditation, Herbert Benson's Relaxation Response, and the Center for Mind Body Medicine's group programs are discussed. The book is targeted toward educators, mental health professionals, researchers, and graduate students interested in the application, development, and study of mindfulness and meditation practices and programs for adolescents.

A Taxonomy for Learning, Teaching, and Assessing - Benjamin Samuel Bloom 2001

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

Study and Master Life Sciences Grade 11 CAPS Study Guide - Gonasagaren S. Pillay 2014-08-21

Biology 2e - Mary Ann Clark 2018-04

The Illustrated London News - 1878

Educating the Student Body - Committee on Physical Activity and Physical Education in the School Environment 2013-11-13

Physical inactivity is a key determinant of health across the lifespan. A lack of activity increases the risk of heart disease, colon and breast cancer, diabetes mellitus, hypertension, osteoporosis, anxiety and depression and others diseases. Emerging literature has suggested that in terms of mortality, the global population health burden of physical inactivity approaches that of cigarette smoking. The prevalence and substantial disease risk associated with physical inactivity has been described as a pandemic. The prevalence, health impact, and evidence of changeability all have resulted in calls for action to increase physical activity across the lifespan. In response to the need to find ways to make physical activity a health priority for youth, the Institute of Medicine's Committee on Physical Activity and Physical Education in the School Environment was formed. Its purpose was to review the current status of physical activity and physical education in the school environment, including before, during, and after school, and examine the influences of physical activity and physical education on the short and long term physical, cognitive and brain, and psychosocial health and development of children and adolescents. *Educating the Student Body* makes recommendations about approaches for strengthening and improving programs and policies for physical activity and physical education in the school environment. This report lays out a set of guiding principles to guide its work on these tasks. These included: recognizing the benefits of instilling life-long physical activity habits in children; the value of using systems thinking in improving physical activity and physical education in the school environment; the recognition of current disparities in opportunities and the need to achieve equity in physical activity and physical education; the importance of considering all types of school environments; the need to take into consideration the diversity of students as recommendations are developed. This report will be of interest to local and national policymakers, school officials, teachers, and the education community, researchers, professional organizations, and parents interested in physical activity, physical education, and health for school-aged children and adolescents.

Executive Function and Education - Mariëtte Huizinga 2018-09-21

Executive function is an umbrella term for various cognitive processes that are central to goal-

directed behavior, thoughts, and emotions. These processes are especially important in novel or demanding situations, which require a rapid and flexible adjustment of behavior to the changing demands of the environment. The development of executive function relies on the maturation of associated brain regions as well as on stimulation in the child's social contexts, especially the home and school. Over the past decade, the term executive function has become a buzzword in the field of education as both researchers and educators underscore the importance of skills like goal setting, planning, and organizing in academic success. Accordingly, in initiating this Research Topic and eBook our goal was to provide a forum for state-of-the-art theoretical and empirical work on this that both facilitates communication among researchers from diverse fields and provides a theoretically sound source of information for educators. The contributors to this volume, who hail from several different countries in Europe and North America, have certainly accomplished this goal in their nuanced and cutting-edge depictions of the complex links among various executive function components and educational success.

A Framework for K-12 Science Education - National Research Council 2012-02-28

Science, engineering, and technology permeate nearly every facet of modern life and hold the key to solving many of humanity's most pressing current and future challenges. The United States' position in the global economy is declining, in part because U.S. workers lack fundamental knowledge in these fields. To address the critical issues of U.S. competitiveness and to better prepare the workforce, *A Framework for K-12 Science Education* proposes a new approach to K-12 science education that will capture students' interest and provide them with the necessary foundational knowledge in the field. *A Framework for K-12 Science Education* outlines a broad set of expectations for students in science and engineering in grades K-12. These expectations will inform the development of new standards for K-12 science education and, subsequently, revisions to curriculum, instruction, assessment, and professional development for educators. This book identifies three dimensions that convey the core ideas and practices around which science and engineering education in these grades should be built. These three dimensions are: crosscutting concepts that unify the study of science through their common application across science and engineering; scientific and engineering practices; and disciplinary core ideas in the physical sciences, life sciences, and earth and space sciences and for engineering, technology, and the applications of science. The overarching goal is for all high school graduates to have sufficient knowledge of science and engineering to engage in public discussions on science-related issues, be careful consumers of scientific and technical information, and enter the careers of their choice. *A Framework for K-12 Science Education* is the first step in a process that can inform state-level decisions and achieve a research-grounded basis for improving science instruction and learning across the country. The book will guide standards developers, teachers, curriculum designers, assessment developers, state and district science administrators, and educators who teach science in informal environments.

Scientific Influences on Early Childhood Education - Dominic F. Gullo 2020-04-23

Scientific Influences on Early Childhood Education offers a new framework for examining the diverse scientific perspectives that shape early childhood education. As the field takes on an increasing role in addressing children's educational, developmental, and environmental needs, it is critical to more fully understand and appreciate the diverse scientific roots of contemporary early childhood education. This edited collection brings together leading researchers to explain and unpack perspectives that are not often associated with early childhood education, yet have made significant contributions to its development and evolution. Essential reading for anyone working with young children, this critical and insightful text illuminates the connections between our social values, science, and research in the field.

Learning and Teaching Early Math - Douglas H. Clements 2014-05-23

In this important book for pre- and in-service teachers, early math experts Douglas Clements and Julie Sarama show how "learning trajectories" help diagnose a child's level of mathematical understanding and provide guidance for teaching. By focusing on the inherent delight and

curiosity behind young children's mathematical reasoning, learning trajectories ultimately make teaching more joyous. They help teachers understand the varying levels of knowledge exhibited by individual students, which in turn allows them to better meet the learning needs of all children. Using straightforward, no-nonsense language, this book summarizes the current research about how children learn mathematics, and how to build on what children already know to realize more effective teaching. This second edition of Learning and Teaching Early Math remains the definitive, research-based resource to help teachers understand the learning trajectories of early mathematics and become quintessential professionals. Updates to the new edition include:

- Explicit connections between Learning Trajectories and the new Common Core State Standards.
- New coverage of patterns and patterning.
- Incorporation of hundreds of recent research studies.

The World Book Encyclopedia - 2002

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

Independent Schools Yearbook 2012-2013 - none 2013-06-20

The highly-respected book of reference of sought-after Independent Schools in membership of the Independent Schools Council's Associations: HMC, GSA, The Society of Heads, IAPS, ISA and COBIS.

What is Mathematics? - Herbert Robbins Richard Courant (Ian Stewart) 1996

A discussion of fundamental mathematical principles from algebra to elementary calculus designed to promote constructive mathematical reasoning.

Students at Risk of School Failure - José Jesús Gázquez 2018-10-18

The main objective of this Research Topic is to determine the conditions that place students at risk of school failure, identifying student and context variables. In spite of the fact that there is currently little doubt about how one learns and how to teach, in some countries of the "developed world," there is still there is a high rate of school failure. Although the term "school failure" is a very complex construct, insofar as its causes, consequences, and development, from the field of educational psychology, the construct "student engagement" has recently gained special interest in an attempt to deal with the serious problem of school failure. School engagement builds on the anatomy of the students' involvement in school and describes their feelings, behaviors, and thoughts about their school experiences. So, engagement is an important component of students' school experience, with a close relationship to achievement and school failure. Children who self-set academic goals, attend school regularly and on time, behave well in class, complete their homework, and study at home are likely to interact adequately with the school social and physical environments and perform well in school. In contrast, children who miss school are more likely to display disruptive behaviors in class, miss homework frequently, exhibit violent behaviors on the playground, fail subjects, be retained and, if the behaviors persist, quit school. Moreover, engagement should also be considered as an important school outcome, eliciting more or less supportive reactions from educators. For example, children who display school-engaged behaviors are likely to receive motivational and instructional support from their teachers. The opposite may also be true. But what makes student engage more or less? The relevant literature indicates that personal variables (e.g., sensory, motor, neurodevelopmental, cognitive, motivational, emotional, behavior problems, learning difficulties, addictions), social and/or cultural variables (e.g., negative family conditions, child abuse, cultural deprivation, ethnic conditions, immigration), or school variables (e.g., coexistence at school, bullying, cyberbullying) may concurrently hinder engagement, preventing the student from acquiring the learnings in the same conditions as the rest of the classmates.

Parenting Matters - National Academies of Sciences, Engineering, and Medicine 2016-11-21

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 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 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.

Life - William K. Purves 2001

Authoritative, thorough, and engaging, *Life: The Science of Biology* achieves an optimal balance of scholarship and teachability, never losing sight of either the science or the student. The first introductory text to present biological concepts through the research that revealed them, *Life* covers the full range of topics with an integrated experimental focus that flows naturally from the narrative. This approach helps to bring the drama of classic and cutting-edge research to the classroom - but always in the context of reinforcing core ideas and the innovative scientific thinking behind them. Students will experience biology not just as a litany of facts or a highlight reel of experiments, but as a rich, coherent discipline.

Development Through Life: A Psychosocial Approach - Barbara M. Newman 2014-02-28

This book uses a chronological approach to present development across the life span, drawing on the psychosocial theory of Erik Erikson to provide a conceptual framework. The authors address physical, intellectual, social, and emotional growth in all life stages, focusing on the idea that development results from the interdependence of these areas at every stage, and placing special emphasis on optimal development through life. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Federalist Papers - Alexander Hamilton 2021-10-19

The *Federalist Papers* Alexander Hamilton - Hailed by Thomas Jefferson as the best commentary on the principles of government which was ever written, *The Federalist Papers* is a collection of eighty-five essays published by Founding Fathers Alexander Hamilton, James Madison, and John Jay from 1787 to 1788, as a means to persuade the public to ratify the Constitution of the United States. With nearly two-thirds of the essays written by Hamilton, this enduring classic is perfect for modern audiences passionate about his work or seeking a deeper understanding of one of the most important documents in US history.

Sustainable Agriculture Reviews - Eric Lichtfouse 2013-02-12

Sustainable agriculture is a rapidly growing field aiming at producing food and energy in a sustainable way for humans and their children. Sustainable agriculture is a discipline that addresses current issues such as climate change, increasing food and fuel prices, poor-nation starvation, rich-nation obesity, water pollution, soil erosion, fertility loss, pest control, and biodiversity depletion. Novel solutions are proposed based on integrated knowledge from sciences as diverse as agronomy, soil science, molecular biology, chemistry, toxicology, ecology, economy,

philosophy and social sciences. Because actual society issues are now intertwined, global, and fast-developing, sustainable agriculture will bring solutions to build a safer world. This book series gathers review articles that analyze current agricultural issues and knowledge, then propose alternative solutions. It will therefore help all scientists, decision-makers, professors, farmers and politicians who wish to build a safe agriculture, energy and food system for future generations.

Restoring Opportunity - Greg J. Duncan 2014-01-01

In this landmark volume, Greg J. Duncan and Richard J. Murnane lay out a meticulously researched case showing how—in a time of spiraling inequality—strategically targeted interventions and supports can help schools significantly improve the life chances of low-income children. The authors offer a brilliant synthesis of recent research on inequality and its effects on families, children, and schools. They describe the interplay of social and economic factors that has made it increasingly hard for schools to counteract the effects of inequality and that has created a widening wedge between low- and high-income students. *Restoring Opportunity* provides detailed portraits of proven initiatives that are transforming the lives of low-income children from prekindergarten through high school. All of these programs are research-tested and have demonstrated sustained effectiveness over time and at significant scale. Together, they offer a powerful vision of what good instruction in effective schools can look like. The authors conclude by outlining the elements of a new agenda for education reform. *Restoring Opportunity* is a crowning contribution from these two leading economists in the field of education and a passionate call to action on behalf of the young people on whom our nation's future depends. Copublished with the Russell Sage Foundation

Children and Companion Animals: Psychosocial, Medical, and Neurobiological Implications -

Andrea M. Beetz 2018-08-16

Children and companion animals seem to have a natural affinity towards each other. Most children desire a relationship with their own companion animals or at least demonstrate an interest to interact with animals in general. Living with companion animals or interacting with animals may have psychosocial, neurobiological, or medically relevant effects on typically developing children and juveniles as well as those with diverse and special needs. In this eBook, we present several articles addressing the relationships between children/juveniles and animals in different countries, including Austria, Germany, Jamaica, Japan, the United Kingdom and the United States. Three articles discuss approaches in animal-assisted education, including animal keeping and animal assisted interventions in schools, and an experimental study investigating immediate effects of dogs on reading competence and accompanying stress reactions with cortisol and behavior. Other articles address topics involving children and their companion animals, including dog-walking by children and juveniles, risks of dog bites by the family dog, selection of pet dogs for families with a child with autism spectrum disorder (ASD) and the relationships that children with ASD have with their family cats. The interactions between children/juveniles and animals addressed in this eBook provide new insights into some scarcely investigated themes, and underline the significance of animals in children's lives.

International Handbook of Mathematical Learning Difficulties - Annemarie Fritz 2019-01-30

This comprehensive volume provides teachers, researchers and education professionals with cutting edge knowledge developed in the last decades by the educational, behavioural and neurosciences, integrating cognitive, developmental and socioeconomic approaches to deal with the problems children face in learning mathematics. The neurocognitive mechanisms and the cognitive processes underlying acquisition of arithmetic abilities and their significance for education have been the subject of intense research in the last few decades, but the most part of this research has been conducted in non-applied settings and there's still a deep discrepancy between the level of scientific knowledge and its implementation into actual educational settings. Now it's time to bring the results from the laboratory to the classroom. Apart from bringing the theoretical discussions to educational settings, the volume presents a wide range of methods for early detection of children with risks in mathematics learning and strategies to develop effective

interventions based on innovative cognitive test instruments. It also provides insights to translate research knowledge into public policies in order to address socioeconomic issues. And it does so from an international perspective, dedicating a whole section to the cultural diversity of mathematics learning difficulties in different parts of the world. All of this makes the *International Handbook of Mathematical Learning Difficulties* an essential tool for those involved in the daily struggle to prepare the future generations to succeed in the global knowledge society.

Collective Goods and Higher Education Research - Roger Benjamin 2018-09-19

With this volume, the author demonstrates how a collective goods approach to higher education research can alleviate problems of rising costs, declining resources, and growing concerns about undergraduate learning. In taking this approach, the author presents new tools of analysis—borrowed from cognitive science, economics, data analytics, education technology and measurement science—to investigate higher education's place in society as a public or private good. By showing how these tools can be utilized to re-orient current research, this volume offers scholars and policy makers an argument for the large-scale use of scientific and economic approaches to higher education's most pressing issues.

The Teaching and Learning Playbook - Michael Feely 2022-11-30

The *Teaching and Learning Playbook* is a book and online resource containing more than 100 techniques that teachers and school leaders can use to drive improvements in their schools. Each technique includes a summary of what the technique is, why it is important, the effect size and a four-step guide to how it should be performed. The *Playbook* provides a unique tool for teachers to identify how they can improve their teaching, and practise with absolute clarity on what they need to do next. All techniques are accompanied by a video to show the technique in action and spotlight the four key elements with detailed audio commentary to make it easier for teachers to replicate. These can all be found on the website: www.teachingandlearningplaybook.com Codifying the key skills for every teacher to get better and for every school leader to drive improvements in their school, the *Playbook* covers: Routines for Learning Questioning and Checking for Understanding Modelling, Explaining and Feeding Back Resilience, Independence and Retrieval Curriculum Beyond the Subject Classroom This essential resource provides a clear framework for teachers and school leaders to improve teaching and learning. Simple to use and easily integrated into CPD and coaching programmes, the *Playbook* will take your teaching to the next level.

POGIL - Shawn R. Simonson 2019-04-16

Process Oriented Guided Inquiry Learning (POGIL) is a pedagogy that is based on research on how people learn and has been shown to lead to better student outcomes in many contexts and in a variety of academic disciplines. Beyond facilitating students' mastery of a discipline, it promotes vital educational outcomes such as communication skills and critical thinking. Its active international community of practitioners provides accessible educational development and support for anyone developing related courses. Having started as a process developed by a group of chemistry professors focused on helping their students better grasp the concepts of general chemistry, The POGIL Project has grown into a dynamic organization of committed instructors who help each other transform classrooms and improve student success, develop curricular materials to assist this process, conduct research expanding what is known about learning and teaching, and provide professional development and collegiality from elementary teachers to college professors. As a pedagogy it has been shown to be effective in a variety of content areas and at different educational levels. This is an introduction to the process and the community. Every POGIL classroom is different and is a reflection of the uniqueness of the particular context – the institution, department, physical space, student body, and instructor – but follows a common structure in which students work cooperatively in self-managed small groups of three or four. The group work is focused on activities that are carefully designed and scaffolded to enable students to develop important concepts or to deepen and refine their understanding of those ideas or concepts for themselves, based entirely on data provided in class, not on prior reading of the

textbook or other introduction to the topic. The learning environment is structured to support the development of process skills -- such as teamwork, effective communication, information processing, problem solving, and critical thinking. The instructor's role is to facilitate the development of student concepts and process skills, not to simply deliver content to the students. The first part of this book introduces the theoretical and philosophical foundations of POGIL pedagogy and summarizes the literature demonstrating its efficacy. The second part of the book

focuses on implementing POGIL, covering the formation and effective management of student teams, offering guidance on the selection and writing of POGIL activities, as well as on facilitation, teaching large classes, and assessment. The book concludes with examples of implementation in STEM and non-STEM disciplines as well as guidance on how to get started. Appendices provide additional resources and information about The POGIL Project.