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Early Learning and Child Well-being in Estonia - OECD 2020-03-21

This report sets out the findings from the International Early Learning and Child Well-being Study in Estonia. The study assesses children's skills across both cognitive and social-emotional development, and how these relate to children's early learning experiences at home and in early childhood education and care.

The Routledge Handbook of Language Education Curriculum Design - Peter Mickan 2019-12-23

Curriculum design options cover a continuum from regional and school-based programs to national and international frameworks. How does policy speak to practice? What have teacher-researchers discovered through in-classroom studies? Where do you begin to describe or measure 'effective' language education curriculum design? The Routledge Handbook of Language Education Curriculum Design presents a comprehensive collection of essays on these issues by 31 established practitioners and new researchers. Informed by experienced scholarship and fresh studies, this handbook shares international perspectives on language education from policy and curriculum to teacher training and future directions. The handbook addresses language education curriculum design across five sections: Language curriculum design: perspectives, policies and practices Designs across the curriculum Curriculum designs in language education Curriculum resources, evaluation and assessment Teacher education, research and future projects With contributions from Australia, Brazil, Indonesia, Switzerland, Timor-Leste and more, the handbook represents the breadth of research into and the global implications for sound language education curriculum design. It considers equally the needs of students and policy makers from urban metropolises and remote communities. It is designed to reinvigorate discussions about education policy, curriculum management and the role of teacher-researchers.

Assessing Mathematical Literacy - Kaye Stacey 2014-11-03

This book describes the design, development, delivery and impact of the mathematics assessment for the OECD Programme for International Student Assessment (PISA). First, the origins of PISA's concept of mathematical literacy are discussed, highlighting the underlying themes of mathematics as preparation for life after school and mathematical modelling of the real world, and clarifying PISA's position within this part of the mathematics education territory. The PISA mathematics framework is introduced as a significant milestone in the development and dissemination of these ideas. The underlying mathematical competencies on which mathematical literacy so strongly depends are described, along with a scheme to use them in item creation and analysis. The development and implementation of the PISA survey and the consequences for the outcomes are thoroughly discussed. Different kinds of items for both paper-based and computer-based PISA surveys are exemplified by many publicly released items along with details of scoring. The novel survey of the opportunity students have had to learn the mathematics promoted through PISA is explained. The book concludes by surveying international impact. It presents viewpoints of mathematics educators on how PISA and its constituent ideas and methods have influenced teaching and learning practices, curriculum arrangements, assessment practices, and the educational debate more generally in fourteen countries.

Constructing Science - Deena Skolnick Weisberg 2022-09-20

An examination of children's causal reasoning capacities and how those capacities serve as the foundation of their scientific thinking. Young children have remarkable capacities for causal reasoning, which are part of the foundation of their scientific thinking abilities. In *Constructing Science*, Deena Weisberg and David Sobel trace the ways that young children's sophisticated causal reasoning abilities combine with other cognitive, metacognitive, and social factors to develop into a more mature set of scientific thinking abilities. Conceptualizing scientific thinking as the suite of skills that allows people to generate hypotheses, solve problems, and explain aspects of the world, Weisberg and Sobel argue that understanding how this capacity develops can offer insights into how we can become a more scientifically literate society. Investigating the development of causal reasoning and how it sets the stage for scientific thinking in the elementary school years and beyond, Weisberg and Sobel outline a framework for understanding how children represent and learn causal knowledge and identify key variables that differ between causal reasoning and scientific thinking. They present empirical studies suggesting ways to bridge the gap between causal reasoning and scientific thinking, focusing on two factors: contextualization and metacognitive thinking abilities. Finally, they examine children's explicit understanding of such concepts as science, learning, play, and teaching.

Study and Master Mathematical Literacy Grade 12 CAPS Learner's Book - Karen Morrison 2014-05-01

Early Childhood Education - Donna Farland-Smith 2019-04-24

This book will serve as a resource for students, researchers, and practitioners in the area of early childhood education. The 18 chapters are divided and organized into the major areas relevant to early childhood education: early childhood development, play, science, mathematics, technology, literacy, and exceptional learners. Each chapter contains an overview of background information pertinent to the chapter and a synopsis of research or a new research study. The information contained in this book provides a foundation for past and/or present research and suggests future research studies.

Mathematical and Statistics Anxiety: Educational, Social, Developmental and Cognitive Perspectives - Kinga Morsanyi 2017-01-19

Mathematical anxiety is a feeling of tension, apprehension or fear which arises when a person is faced with mathematical content. The negative consequences of mathematical anxiety are well-documented. Students with high levels of mathematical anxiety might underperform in important test situations, they tend to hold negative attitudes towards mathematics, and they are likely to opt out of elective mathematics courses, which also affects their career opportunities. Although at the university level many students do not continue to study mathematics, social science students are confronted with the fact that their disciplines involve learning about statistics - another potential source of anxiety for students who are uncomfortable with dealing with numerical content. Research on mathematical anxiety is a truly interdisciplinary field with contributions from educational, developmental, cognitive, social and neuroscience researchers. The current collection of papers demonstrates the diversity of the field, offering both new empirical contributions and reviews of existing studies. The contributors also outline future directions for this line of research.

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.

PISA 2015 Assessment and Analytical Framework Science, Reading, Mathematic and Financial Literacy - OECD 2016-04-19

"What is important for citizens to know and be able to do?" The OECD Programme for International Student Assessment (PISA) seeks to answer that question through the most comprehensive and rigorous international assessment of student knowledge and skills.

[PISA 2012 Assessment and Analytical Framework Mathematics, Reading, Science, Problem Solving and Financial Literacy](#) - OECD 2013-02-11

This book presents the conceptual framework underlying the fifth cycle of PISA, which covers reading, science and this year's focus: mathematical literacy, along with problem solving and financial literacy.

Handbook on Performance Management in the Public Sector - Deborah Blackman 2021-05-28

This timely Handbook examines performance management research specific to the public sector and its contexts, and provides suggestions for future developments in the field. It demonstrates the need for performance management to be reconceptualized as a core component of business both within and across organizations, and how it must be embedded in both strategic decision-making and as a day-to-day leadership and management practice in order to be effective.

Brain-Based Learning and Education - Yi-Yuan Tang 2017-04-22

Brain-Based Learning and Education presents a new type of education that uses brain-based and self-control theory-driven training. Leaving aside the current focus in education on content knowledge, it examines essential character strengths such as selfcontrol, persistence, creativity, attention, memory, and social learning, and relates their relevance to learning. By bridging the research and application gap in education, this text not only covers the latest findings related to learning and teaching but also provides insights for application and practice for brain-based methods in health and education. This integration of neuroscience and education takes us from a deep understanding of brain function to the frontline of the classroom. Explains an integrative training mechanisms from the behavioral, neuroscientific, and physiological perspectives Presents brain-based practice methods that can be readily applied to the education system Addresses additional issues, such as stress, wandering mind, and individuality Includes stories and findings related to the brain, learning, and teaching

[Quantitative Literacy](#) - Bernard L. Madison 2003

[Training and Enhancing Executive Function](#) - Gian Marco Marzocchi 2020-10-27

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.

School Achievement and Failure: Prevention and Intervention Strategies - Edgar Galindo 2022-11-25

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

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

International Practices to Promote Budget Literacy - Harika Masud 2017-06-28

Budget literacy is defined as 'the ability to read, decipher, and understand public budgets to enable and enhance meaningful citizen participation in the budget process'. It is comprised of two main parts - (i) a technical understanding of public budgets, including familiarity with government spending, tax rates and public debt and; (ii) the ability to engage in the budget process, comprising of practical knowledge on day-to-day issues, as well as an elementary understanding of the economic, social and political implications of budget policies, the stakeholders involved and when and how to provide inputs during the annual budget cycle. Given that no international standards or guidelines have been established for budget literacy education to date, this book seeks to address this gap by taking stock of illustrative initiatives promoting budget literacy for youth in selected countries. The underlying presumption is that when supply-side actors in the budget process -- governments -- simplify and disseminate budget information for demand-side actors -- citizens -- this information will then be used by citizens to provide feedback on the budget. However, since citizens are often insufficiently informed about public budgets to constructively participate in budget processes one way to empower them and to remedy the problem of "budget illiteracy" is to provide budget-literacy education in schools to youth, helping them evolve into civic-minded adults with the essential knowledge needed for analyzing their government's fiscal policy objectives and measures, and the confidence and sense of social responsibility to participate in the oversight of public resources. This book elaborates on approaches, learning outcomes, pedagogical strategies and assessment approaches for budget literacy education, and presents lessons that are relevant for the development, improvement, or scaling up of budget literacy initiatives.

Immigration and Refugee Policy: Breakthroughs in Research and Practice - Management Association, Information Resources 2019-06-07

Unstable social climates are causing the displacement of large numbers of people around the world. Thus, the issue of safe replacement arises, causing the need for examining and improving the policies and strategies regarding immigration and helping these individuals integrate into new societies. Immigration and Refugee Policy: Breakthroughs in Research and Practice is an authoritative resource for the latest research on the challenges, risks, and policies of current relocation and refugee flows and security problems, in relation to these aspects of immigration. Additionally, techniques for assimilating immigrants into important foundations of society, such as educational programs and healthcare systems, is examined. Highlighting a range of pertinent topics such as civil protection, humanitarian aid, and the refugee resettlement process, this publication is an ideal reference source for policymakers, managers, academicians, practitioners, and graduate-level students interested in current immigrant and refugee policies.

Mathematical Literacy, Grade 10 - Karen Morrison 2012-02-23

Study & Master Mathematical Literacy Grade 10 has been especially developed by an experienced author

team according to the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Mathematical Literacy. The Teacher's File includes: * a weekly teaching schedule, divided into the four terms to guide the teacher on what to teach * extra project templates for teachers to choose from * solutions to all the activities in the Learner's Book.

Debates in English Teaching - Caroline Daly 2020-04-30

Debates in English Teaching explores the major issues all English teachers encounter daily in their professional lives. Written by leading experts in the field, the chapters bring together theoretical knowledge and contemporary perspectives to offer fresh insight into the most salient debates in the field of English teaching. The book supports critical reflection and will help both novice and experienced teachers to reach informed judgements and argue their point of view with deeper theoretical knowledge and understanding. This second edition has been fully updated throughout and features four new chapters. Key debates covered include: Literacy and social class English and difference Digital literacy English and mental well-being Reading for pleasure the literary canon the importance of the media and new technologies With its combination of expert opinion and fresh insight, Debates in English Teaching is an ideal companion for all student and practising teachers engaged in initial training, continuing professional development and master's level study.

The Wiley Handbook of Early Childhood Development Programs, Practices, and Policies - Elizabeth Votruba-Drzal 2017-01-30

The first and only comprehensive review of current early childhood development theory, practices, policies, and the science behind them This unique and important book provides a comprehensive overview of the current theory, practices, and policies in early childhood development within the contexts of family, school, and community, and society at large. Moreover, it synthesizes scientifically rigorous research from an array of disciplines in an effort to identify the most effective strategies for promoting early childhood development. Research into childhood development is booming, and the scientific knowledge base concerning early childhood development is now greater than that of any other stage of the human life span. At the same time, efforts to apply that knowledge to early childhood practices, programs, and policies have never been greater or more urgent. Yet, surprisingly, until The Handbook of Early Childhood Development Programs, Practices, and Policies, there was no comprehensive, critical review of the applied science in the field. The book begins with in-depth coverage of child and family approaches. From there it moves onto a consideration of school- and community-based strategies. It concludes with a discussion of current social policies on health and development in early childhood and their implications. Provides a comprehensive overview of the state of the knowledge base, along with guidance for the future of the field Examines the underlying theory and basic science guiding efforts to promote early childhood development Critically reviews the strength of the empirical support for individual practices, programs, and policies Explores key opportunities and barriers policymakers and practitioners face when implementing various approaches Pays particular attention to socioeconomically disadvantaged and other disenfranchised populations The Handbook of Early Childhood Development Programs, Practices, and Policies is a valuable resource for practitioners, scholars, graduate students, and advanced undergraduate students across the social sciences who are interested in strengthening their understanding of current strategies for promoting early childhood development and the science informing those strategies.

Empowering Learning - Malcolm Pritchard 2020-08-14

Experience - it is our first teacher in life, our early warning system, and our guide to world discovery. Experience connects the inner self to the outer world. It shapes our thoughts, informs our attitudes, motivates our actions. It is the most common mode of learning for all of humanity. Yet, hidden in plain sight, experiential learning is largely taken for granted by educators and researchers. We assume that experience is largely educational. We simply 'learn by doing' - don't we? There is a world of difference between 'doing' and 'doing intelligently'. By understanding how experience acts as a mechanism to inspire and scaffold memorable learning, we stand to gain greater control over this most powerful and universal force in human development. Learning, empowered by experience, is life-changing for learners; experience, purposefully harnessed, is transformational for schools.

Handbook of Research on STEM Education - Carla C. Johnson 2020-04-27

The Handbook of Research on STEM Education represents a groundbreaking and comprehensive synthesis of research and presentation of policy within the realm of science, technology, engineering, and mathematics (STEM) education. What distinguishes this Handbook from others is the nature of integration of the disciplines that is the founding premise for the work - all chapters in this book speak directly to the integration of STEM, rather than discussion of research within the individual content areas. The Handbook of Research on STEM Education explores the most pressing areas of STEM within an international context. Divided into six sections, the authors cover topics including: the nature of STEM, STEM learning, STEM pedagogy, curriculum and assessment, critical issues in STEM, STEM teacher education, and STEM policy and reform. The Handbook utilizes the lens of equity and access by focusing on STEM literacy, early childhood STEM, learners with disabilities, informal STEM, socio-scientific issues, race-related factors, gender equity, cultural-relevancy, and parental involvement. Additionally, discussion of STEM education policy in a variety of countries is included, as well as a focus on engaging business/industry and teachers in advocacy for STEM education. The Handbook's 37 chapters provide a deep and meaningful landscape of the implementation of STEM over the past two decades. As such, the findings that are presented within provide the reader with clear directions for future research into effective practice and supports for integrated STEM, which are grounded in the literature to date.

PISA 2018 Assessment and Analytical Framework - OECD 2019-04-26

This report presents the conceptual foundations of the OECD Programme for International Student Assessment (PISA), now in its seventh cycle of comprehensive and rigorous international surveys of student knowledge, skills and well-being. Like previous cycles, the 2018 assessment covered reading, mathematics and science, with the major focus this cycle on reading literacy, plus an evaluation of students' global competence - their ability to understand and appreciate the perspectives and world views of others. Financial literacy was also offered as an optional assessment.

Community-Based Health Literacy Interventions - National Academies of Sciences, Engineering, and Medicine 2018-05-10

In its landmark report, Health Literacy: A Prescription to End Confusion, the Institute of Medicine noted that there are 90 million adults in the United States with limited health literacy who cannot fully benefit from what the health and health care systems have to offer. Since the release of that report, health literacy has become a vibrant research field that has developed and disseminated a wide range of tools and practices that have helped organizations, ranging in size from large health care systems to individual health care providers and pharmacists, to engage in health literate discussions with and provide health literate materials for patients and family members. Improving the health literacy of organizations can be an important component of addressing the social determinants of health and achieving the triple aim of improving the patient experience, improving the health of populations, and reducing the cost of care. However, the focus on organizations does not address the larger issue of how to improve health literacy across the U.S. population. To get a better understanding of the state of community-based health literacy interventions, the Roundtable on Health Literacy hosted a workshop on July 19, 2017 on community-based health literacy interventions. It featured examples of community-based health literacy programs, discussions on how to evaluate such programs, and the actions the field can take to embrace this larger view of health literacy. This publication summarizes the presentations and discussions from the workshop.

Education as a Lifelong Process - Hans-Peter Blossfeld 2019-02-18

In modernen Wissensgesellschaften ist Bildung die zentrale Voraussetzung sowohl für die demokratische Teilhabe als auch für wirtschaftliches Wachstum und Wohlstand. Eine sich zunehmend rascher wandelnde, globalisierte Welt erfordert die Bewältigung neuer Anforderungen im privaten Leben und in der Berufs- und Arbeitswelt. Um mehr über den Bildungserwerb und seine Folgen für individuelle Lebensverläufe zu erfahren, um zentrale Bildungsprozesse und -verläufe über die gesamte Lebensspanne zu beschreiben und zu analysieren, wird in Deutschland aktuell das Nationale Bildungspanel aufgebaut.

Research in Mathematics Education in Australasia 2012-2015 - Katie Makar 2016-06-02

With the ninth edition of the four-yearly review of mathematics education research in Australasia, the Mathematics Education Research Group of Australasia (MERGA) discusses the Australasian research in mathematics education in the four years from 2012-2015. This review aims to critically promote quality

research and focus on the building of research capacity in Australasia.
Economics, Management, & Econometrics - Ahmet Mete Çilingirtürk

PISA Take the Test Sample Questions from OECD's PISA Assessments - OECD 2009-02-02

This book presents all the publicly available questions from the PISA surveys. Some of these questions were used in the PISA 2000, 2003 and 2006 surveys and others were used in developing and trying out the assessment.

ICSA 2019 - Farit Mochamad Afendi 2019-08-02

This conference serves as a means of presenting and discussing various research results among academics, researchers, and practitioners in the fields of statistics, analytics, computing, data science, and its application. Based on 110 papers that have been presented there are three main topics as the focus of the discussion, namely Statistical Modeling, Predictive Analytics, and Pattern Learning. The approach is in the form of a study to obtain a valid methodology for extracting, collecting, storing, analyzing, and visualizing data including those derived from big data. The application studies cover various fields such as agriculture, climate, energy, industry, business, social, and so on. The conference is expected to be able to provide solutions to various problems in various fields through statistical and analytical approaches.

An Interdisciplinary Approach to Early Childhood Education and Care - Susanne Garvis 2017-02-03

An Interdisciplinary Approach to Early Childhood Education and Care explores early childhood education and care in Australia from a variety of perspectives, highlighting the complexity of working within the field and the need for a truly interdisciplinary approach. It argues that only a holistic understanding of each perspective will allow a clear future for early childhood education within Australia, and that all government parties should provide better outcomes around policy and provision to ensure the support and development of the sector. Chapters offer insights into how children and families are positioned in educational reform by examining current government policy, as well as individual and collective initiatives. Key paradigms considered include positivist, behavioural, developmental, economic, sociocultural, and postmodern models. Garvis and Manning identify challenges to the field and propose improvements needed to develop an interdisciplinary approach to help close the disadvantage gap on educational outcomes. With recommendations aimed at stakeholders within different disciplines, it is hoped that this book will encourage significant improvements to early childhood education and care within Australia. Providing important insights into the landscape of early childhood education and care, this book will promote new ways of thinking of policy and provision development for the future. As such, it will be of interest to researchers, academics, and postgraduate students in the fields of early years education, education policy and politics, and sociology of education, as well as those studying childcare alongside economics, criminology and sociology.

The Oxford Handbook of the South African Economy - Arkebe Oqubay 2022-01-20

While sharing some characteristics with other middle-income countries, South Africa is a country with a unique economic history and distinctive economic features. It is a regional economic powerhouse that plays a significant role, not only in southern Africa and in the continent, but also as a member of BRICS. However, there has been a lack of structural transformation and weak economic growth, and South Africa faces the profound triple challenges of poverty, inequality, and unemployment. Any meaningful debate about economic policies to address these challenges needs to be informed by a deep understanding of historical developments, robust empirical evidence, and rigorous analysis of South Africa's complex economic landscape. This volume seeks to provide a wide-ranging set of original, detailed, and state-of-the-art analytical perspectives that contribute to scientific knowledge as well as to well-informed and productive discourse on the South African economy. While concentrating on the more recent economic issues facing South Africa, the handbook also provides historical and political context. It offers an in-depth examination of strategic issues in the country's key economic sectors, and brings together diverse analytical perspectives.

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.

Mathematics Teachers Engaging with Representations of Practice - Orly Buchbinder 2018-01-09

This book presents innovative approaches and state-of-the-art empirical studies on mathematics teacher learning. It highlights the advantages and challenges of such tools as classroom videos, concept cartoons, simulations, and scenarios. The book details how representations of practice encourage and afford professional development, and describes how these tools help to investigate aspects of teacher expertise, beliefs, and conceptions. In addition, the book identifies the methodological challenges that can emerge and the obstacles educators might encounter when using representations of practice. The book examines the nature of these challenges and provides suggestions for solving them. It offers a variety of different approaches that can help educators to develop professional learning activities for prospective and in-service teachers.

Eastern European Mathematics Education in the Decades of Change - Alexander Karp 2020-05-04

This contributed volume is devoted to the recent history and evolution of mathematics education in Eastern Europe, exploring how it was influenced by social and political changes in this part of the world. Despite the broad recognition of the importance of these changes, little scholarship exists that examines the ways in which they were followed by changes in the teaching of mathematics in the post-socialist countries. Indeed, the analyzed processes are complex and vary across the states. Accordingly, this book touches on many factors—including differences in cultures and traditions – that find expression in the teaching of mathematics. Specifically, this volume seeks to explore what changes there were in education in general and in the position of mathematics in school education in these years, and how these changes may be explained and documented; what changes there were in the content of mathematics education and its assessment, and how were they motivated and adopted; what new textbooks appeared and what new methodological ideas were offered in them; how and why mathematics teacher education and/or professional development changed; what was the role (if any) of foreign influences on mathematics education, etc. The book will be of interest to both researchers in mathematics education and practitioners—teachers, as well as a broader audience of historians and educators exploring the political aspects of education.

The Economics of the Middle East and North Africa (MENA) - Joseph Pelzman 2012-06-26

The Middle East and North Africa (MENA) is a large, complex, and diverse region, which faces a wide range of economic issues. The MENA group includes Algeria, Bahrain, Cyprus, Djibouti, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Syria, Tunisia, Turkey, United Arab Emirates, and Yemen. This book uses analytical tools drawn from the trade, labor, finance, and

development literature to critically analyze and compare these countries' economic policies. The approach taken in this book is to focus on the economic policies and institutional arrangements which have evolved in MENA and which may serve to explain the differences in each country's economic performance. The key objective of the book is to unravel the context-specific variety of growth-promoting policies within MENA rather than focus on specific countries. This book stresses that the poor performance of Arab MENA can be chiefly explained by their aversion to a Western paradigm of market economics. In the advanced industrial countries and in Israel, "globalization" is largely viewed in economic terms — the free movement of goods, services, labor and capital across borders. In the Arab MENA, however, "globalization" is viewed in largely ideological terms and has been regarded as a new version of imperialism. Consequently, the Arab MENA region remains one of the most un-globalized regions in the world. The book serves as both a textbook and a summary of the very large literature on MENA. It examines the following economic realities of the region and compares them across the MENA economies: Technology gap and comparative developmentThe value of education and human capital developmentWater and food securityThe economics and politics of oilPopulation growth, role of gender, and labor mobilityThe role of the state as economic actorThe economic value of democracyThe prospects for regional integration

Heterogeneity of Function in Numerical Cognition - Avishai Henik 2018-05-17

Heterogeneity of Function in Numerical Cognition presents the latest updates on ongoing research and discussions regarding numerical cognition. With great individual differences in the development or function of numerical cognition at neuroanatomical, neuropsychological, behavioral, and interactional levels, these issues are important for the achievement of a comprehensive understanding of numerical cognition, hence its brain basis, development, breakdown in brain-injured individuals, and failures to master mathematical skills. These functions are essential for the proper development of numerical cognition. Provides an innovative reference on the emerging field of numerical cognition and the branches that converge on this

diverse cognitive domain Includes an overview of the multiple disciplines that comprise numerical cognition Focuses on factors that influence numerical cognition, such as language, executive attention, memory and spatial processing Features an innovative organization with each section providing a general overview, developmental research, and evidence from neurocognitive studies

Understanding Socioemotional And Academic Adjustment During Childhood And Adolescence, Volume I - José Manuel García-Fernández 2022-02-25

PISA for Development Assessment and Analytical Framework Reading, Mathematics and Science - OECD 2018-09-25

"What is important for citizens to know and be able to do?" The OECD Programme for International Student Assessment (PISA) seeks to answer that question through the most comprehensive and rigorous international assessment of student knowledge and skills. As more countries join its ranks, PISA ...

Preparation and Development of School Leaders in Africa - Pontso Moorosi 2019-11-28

The book is based on African research and reviews on school leadership preparation and development, taking stock of where the field is in this geographical region and what lies ahead. The exclusive focus on sub-Saharan African countries is driven by the desire to foreground African experiences, highlighting gaps and asking critical questions about contextually relevant models of leadership that can drive towards improved educational outcomes for African children. The countries explored include Botswana, Cameroon, Ghana, Kenya, Lesotho, Namibia, Nigeria, South Africa and Tanzania. Written by a collective of seasoned researchers with extensive experience in the field and on the continent, this volume is timely, as the field is in need of serious political attention. For these reasons, the book is an important resource for policy-makers, school leaders and other practitioners, students, educators of school leadership preparation programmes as well as researchers in the field on the continent and the diaspora.