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Creativity and Giftedness Roza Leikin 2016-08-24 This volume provides readers with a broad view on the variety of issues related to the educational research and practices in the field of Creativity in Mathematics and Mathematical Giftedness. The book explores (a) the relationship between creativity and giftedness; (b) empirical work with high ability (or gifted) students in the classroom and its implications for teaching mathematics; (c) interdisciplinary work which views creativity as a complex phenomena that cannot be understood from within the borders of disciplines, i.e., to present research and theorists from disciplines such as neuroscience and complexity theory; and (d) findings from psychology that pertain the creatively gifted students. As a whole, this volume brings together perspectives from mathematics educators, psychologists, neuroscientists, and teachers to present a collection of empirical, theoretical and philosophical works that address the complexity of mathematical creativity and giftedness, its origins, nature, nurture and ways forward. In keeping with the spirit of the series, the anthology substantially builds on previous ZDM volumes on interdisciplinarity (2009), creativity and giftedness (2013).

Collective Intelligence in Design 2006-12-06 Exploring how today's most compelling architecture is emerging from new forms of collaborative practice, this title of AD engages three predominant phenomena: architecture's relationship with digital and telecommunication technology; the media; and economies of globalisation. The articles in the issue explore the relationship between these readings and examine, for the first time, the implications of these phenomena upon forms of architectural invention and production. While much attention has been focused upon the influence of digital media on architectural form and technique, little has examined its far broader implications for forms of architectural practice. Yet, as with modernism and the professionalization of architecture at the end of the 19th century and the rise of architectural corporations in the mid-20th century, the future of architectural design will inevitably depend upon reconfigurations of architectural authorship.

The state of the world's children. 1998 1994

Discovering Mathematics: Student Book 1C Victor Chow 2018-07-30 This Student Book is for Higher tier students in Year 7. It has been adapted from the leading Singapore course to fully match the English Key Stage 3 National Curriculum. Rigorously reviewed by experienced UK and Singapore educators, it harnesses authentic Singaporean mastery values and embeds a growth mindset that everyone can succeed at maths.

Mathematics Education in Singapore Tin Lam Toh 2019-02-07 This book provides a

one-stop resource for mathematics educators, policy makers and all who are interested in learning more about the why, what and how of mathematics education in Singapore. The content is organized according to three significant and closely interrelated components: the Singapore mathematics curriculum, mathematics teacher education and professional development, and learners in Singapore mathematics classrooms. Written by leading researchers with an intimate understanding of Singapore mathematics education, this up-to-date book reports the latest trends in Singapore mathematics classrooms, including mathematical modelling and problem solving in the real-world context.

Recent Trends in Manufacturing and Materials Towards Industry 4.0 Muhammed Nafis Osman Zahid 2021-03-22 This book presents part of the proceedings of the Manufacturing and Materials track of the iM3F 2020 conference held in Malaysia. This collection of articles deliberates on the key challenges and trends related to manufacturing as well as materials engineering and technology in setting the stage for the world in embracing the fourth industrial revolution. It presents recent findings with regards to manufacturing and materials that are pertinent towards the realizations and ultimately the embodiment of Industry 4.0, with contributions from both industry and academia.

Difference Equations and Discrete Dynamical Systems with Applications Martin Bohner 2020-02-10 This book presents the proceedings of the 24th International Conference on Difference Equations and Applications, which was held at the Technical University in Dresden, Germany, in May 2018, under the auspices of the International Society of Difference Equations (ISDE). The conference brought together leading researchers working in the respective fields to discuss the latest developments, and to promote international cooperation on the theory and applications of difference equations. This book appeals to researchers and scientists working in the fields of difference equations and discrete dynamical systems and their applications.

Serious Games Bobbie Fletcher 2021-10-04 This book constitutes the refereed proceedings of the 7th Joint International Conference on Serious Games, JCSG 2021, as virtual event, in January 2022. The 17 full papers presented together with 3 short papers were carefully reviewed and selected from 28 submissions. JSCG 2021 is dedicated to serious games and its interdisciplinary characteristics combining game concepts and technologies required in the different application domains.

Postwar Japan Michael J. Green 2017-02-02 Japanese security, economic, institutional, and developmental policies have undergone a remarkable evolution in the 70 years since the end of World War II. In this volume, distinguished Japanese scholars reflect on the evolution of these policies and draw lessons for the

coming decades. The pillars of Japan's reentry into the international community since 1945 remain no less important seven decades later as Japan's economy and society enter the next phase of maturity. The authors demonstrate the continuing viability of Japan's postwar strategic choices, as well as the inevitability of adaptation to challenging new circumstances. This book will be of interest to historians of U.S.-Japan relations and policy makers seeking to place today's policy issues in a historical context. Contributions by Akiko Imai, Akiko Fukushima, Jun Saito, Kazuya Sakamoto, Yoshihide Soeya, and Yoko Takeda

Proceedings of Fifth International Congress on Information and Communication Technology Xin-She Yang 2020-09-30 This book gathers selected high-quality research papers presented at the Fifth International Congress on Information and Communication Technology, held at Brunel University, London, on February 20–21, 2020. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and computing technologies, the Internet of Things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies.

Majalah Al Azhar Edisi 313 YPI Al Azhar Kami menyediakan diri untuk menjadi saksi atas pengabdianmu yang kau mulai sedari beliamu hingga jelang wafatmu. Kami ikhlas melepas kepergianmu dengan senyum bangga sebagaimana senyum yang selalu kau tebarkan kepada kami saat bertemu. Perjuanganmu dalam mencetak kader pembangunan umat dan bangsa terpatri kuat dalam sanubari. Selamat Jalan, Wahai Pejuang Kebanggaan Kami

Technology in Mathematics Teaching Gilles Aldon 2019-07-01 This book comprises chapters featuring a state of the art of research on digital technology in mathematics education. The chapters are extended versions of a selection of papers from the Proceedings of the 13th International Conference on Technology in Mathematics Teaching (ICTMT-13), which was held in Lyon, France, from July 3rd to 6th. ICTMT-13 gathered together over one hundred participants from twenty countries sharing research and empirical results on the topical issues of technology and its potential to improve mathematics teaching and learning. The chapters are organised into 4 themed parts, namely assessment in mathematics education and technology, which was the main focus of the conference, innovative technology and approaches to mathematics education, teacher education and professional development toward the technology use, and mathematics teaching and learning experiences with technology. In 13 chapters contained in the book, prominent mathematics educators from all over the world present the most recent theoretical and practical advances on these themes This book is of particular interest to researchers, teachers, teacher educators and other actors interested in digital technology in mathematics education.

Elemental Speciation in Human Health Risk Assessment P. Apostoli 2006 Definitions of species and speciation - - Structural aspects of speciation - - Analytical techniques and methodology - - Bioaccessibility and bioavailability - - Toxicokinetics and biological monitoring - - Molecular and cellular mechanisms of metal toxicity - - Health effects - - Conclusions and recommendations.

Transforming the Future (Open Access) Riel Miller 2018-04-27 People are using the future to search for better ways to achieve sustainability, inclusiveness, prosperity, well-being and peace. In addition, the way the future is understood and used is changing in almost all domains, from social science to daily life. This book presents the results of significant research undertaken by UNESCO with a number of partners to detect and define the theory and practice of anticipation

around the world today. It uses the concept of 'Futures Literacy' as a tool to define the understanding of anticipatory systems and processes – also known as the Discipline of Anticipation. This innovative title explores: • new topics such as Futures Literacy and the Discipline of Anticipation; • the evidence collected from over 30 Futures Literacy Laboratories and presented in 14 full case studies; • the need and opportunity for significant innovation in human decision-making systems. This book will be of great interest to scholars, researchers, policy-makers and students, as well as activists working on sustainability issues and innovation, future studies and anticipation studies. The Open Access version of this book, available at <https://www.taylorfrancis.com/books/e/9781351047999>, has been made available under a Attribution-NonCommercial-NoDerivs 3.0 IGO (CC-BY-NC-ND 3.0 IGO) license.

Skills and the Future of Work Akiko Sakamoto 2018

Experimental Approaches of NMR Spectroscopy The Nuclear Magnetic Resonance Society of Japan 2017-11-23 This book describes the advanced developments in methodology and applications of NMR spectroscopy to life science and materials science. Experts who are leaders in the development of new methods and applications of life and material sciences have contributed an exciting range of topics that cover recent advances in structural determination of biological and material molecules, dynamic aspects of biological and material molecules, and development of novel NMR techniques, including resolution and sensitivity enhancement. First, this book particularly emphasizes the experimental details for new researchers to use NMR spectroscopy and pick up the potentials of NMR spectroscopy. Second, the book is designed for those who are involved in either developing the technique or expanding the NMR application fields by applying them to specific samples. Third, the Nuclear Magnetic Resonance Society of Japan has organized this book not only for NMR members of Japan but also for readers worldwide who are interested in using NMR spectroscopy extensively.

Rice Improvement Jauhar Ali 2021-05-05 This book is open access under a CC BY 4.0 license. By 2050, human population is expected to reach 9.7 billion. The demand for increased food production needs to be met from ever reducing resources of land, water and other environmental constraints. Rice remains the staple food source for a majority of the global populations, but especially in Asia where ninety percent of rice is grown and consumed. Climate change continues to impose abiotic and biotic stresses that curtail rice quality and yields. Researchers have been challenged to provide innovative solutions to maintain, or even increase, rice production. Amongst them, the 'green super rice' breeding strategy has been successful for leading the development and release of multiple abiotic and biotic stress tolerant rice varieties. Recent advances in plant molecular biology and biotechnologies have led to the identification of stress responsive genes and signaling pathways, which open up new paradigms to augment rice productivity. Accordingly, transcription factors, protein kinases and enzymes for generating protective metabolites and proteins all contribute to an intricate network of events that guard and maintain cellular integrity. In addition, various quantitative trait loci associated with elevated stress tolerance have been cloned, resulting in the detection of novel genes for biotic and abiotic stress resistance. Mechanistic understanding of the genetic basis of traits, such as N and P use, is allowing rice researchers to engineer nutrient-efficient rice varieties, which would result in higher yields with lower inputs. Likewise, the research in micronutrients biosynthesis opens doors to genetic engineering of metabolic pathways to enhance micronutrients production. With third generation

sequencing techniques on the horizon, exciting progress can be expected to vastly improve molecular markers for gene-trait associations forecast with increasing accuracy. This book emphasizes on the areas of rice science that attempt to overcome the foremost limitations in rice production. Our intention is to highlight research advances in the fields of physiology, molecular breeding and genetics, with a special focus on increasing productivity, improving biotic and abiotic stress tolerance and nutritional quality of rice.

Talent Identification and Development in Sport Joseph Baker 2013-03-01 Identifying talent in athletes and developing that ability to its fullest potential is a central concern of sport scientists, sports coaches and sports policy makers. This book offers a comprehensive synthesis of current knowledge in talent identification and development in sport, from the biological basis of ability to the systems and processes within sport through which that ability is nurtured. Written by a team of leading international experts, the book explores key factors and issues in contemporary sport, including: genetics secondary factors such as birth date, cultural context and population size perceptual motor skill acquisition and expertise sports development policy in-depth case studies, including European soccer, East African running and US pro sports. With an emphasis throughout on practical implications and processes for all those working in sport, the book offers an authoritative evaluation of the strengths and weaknesses of contemporary systems for identifying and developing talent in sport. This is important reading for any student, researcher or practitioner with an interest in skill acquisition, youth sport, elite sport, sports coaching or sports development.

Complex, Intelligent and Software Intensive Systems Leonard Barolli 2021-06-29 This book includes the proceedings of the 15th International Conference on Complex, Intelligent, and Software Intensive Systems, which took place in Asan, Korea, on July 1–3, 2021. Software intensive systems are systems, which heavily interact with other systems, sensors, actuators, devices, and other software systems and users. More and more domains are involved with software intensive systems, e.g., automotive, telecommunication systems, embedded systems in general, industrial automation systems, and business applications. Moreover, the outcome of web services delivers a new platform for enabling software intensive systems. Complex systems research is focused on the overall understanding of systems rather than its components. Complex systems are very much characterized by the changing environments in which they act by their multiple internal and external interactions. They evolve and adapt through internal and external dynamic interactions. The development of intelligent systems and agents, which is each time more characterized by the use of ontologies and their logical foundations build a fruitful impulse for both software intensive systems and complex systems. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence, and cognitive sciences is very important factor for the future development and innovation of software intensive and complex systems. The aim of the book is to deliver a platform of scientific interaction between the three interwoven challenging areas of research and development of future ICT-enabled applications: Software intensive systems, complex systems, and intelligent systems.

Mathematics Professional Development Hilda Borko 2015 This resource will help school leaders and other professional development providers conduct ongoing, structured learning opportunities for mathematics teachers (K-12). The authors present models for professional development and the preparation of PD leaders

designed and field-tested as part of two research projects supported by the National Science Foundation. The Problem-Solving Cycle model and the Mathematics Leadership Preparation model focus on topics of primary interest to mathematics teachers - mathematics content, classroom instruction, and student learning. They are intentionally designed so that they can be tailored to meet the needs and interests of participating teachers and schools. Through engaging vignettes, the authors describe the models, summarize key research findings, and share lessons learned. The book also includes detailed examples of workshop activities for both teachers and PD leaders.

Insect Diapause David L. Denlinger 2022-01-31 Captures the full scope of the literature, integrating ecological and molecular mechanisms that enable insects to enter a dormant state.

Climate Intervention National Research Council 2015-06-17 The signals are everywhere that our planet is experiencing significant climate change. It is clear that we need to reduce the emissions of carbon dioxide and other greenhouse gases from our atmosphere if we want to avoid greatly increased risk of damage from climate change. Aggressively pursuing a program of emissions abatement or mitigation will show results over a timescale of many decades. How do we actively remove carbon dioxide from the atmosphere to make a bigger difference more quickly? As one of a two-book report, this volume of Climate Intervention discusses CDR, the carbon dioxide removal of greenhouse gas emissions from the atmosphere and sequestration of it in perpetuity. Climate Intervention: Carbon Dioxide Removal and Reliable Sequestration introduces possible CDR approaches and then discusses them in depth. Land management practices, such as low-till agriculture, reforestation and afforestation, ocean iron fertilization, and land-and-ocean-based accelerated weathering, could amplify the rates of processes that are already occurring as part of the natural carbon cycle. Other CDR approaches, such as bioenergy with carbon capture and sequestration, direct air capture and sequestration, and traditional carbon capture and sequestration, seek to capture CO₂ from the atmosphere and dispose of it by pumping it underground at high pressure. This book looks at the pros and cons of these options and estimates possible rates of removal and total amounts that might be removed via these methods. With whatever portfolio of technologies the transition is achieved, eliminating the carbon dioxide emissions from the global energy and transportation systems will pose an enormous technical, economic, and social challenge that will likely take decades of concerted effort to achieve. Climate Intervention: Carbon Dioxide Removal and Reliable Sequestration will help to better understand the potential cost and performance of CDR strategies to inform debate and decision making as we work to stabilize and reduce atmospheric concentrations of carbon dioxide.

Sexual Reproduction in Animals and Plants Hitoshi Sawada 2014-02-07 This book contains the proceedings of the International Symposium on the Mechanisms of Sexual Reproduction in Animals and Plants, where many plant and animal reproductive biologists gathered to discuss their recent progress in investigating the shared mechanisms and factors involved in sexual reproduction. This now is the first book that reviews recent progress in almost all fields of plant and animal fertilization. It was recently reported that the self-sterile mechanism of a hermaphroditic marine invertebrate (ascidian) is very similar to the self-incompatibility system in flowering plants. It was also found that a male factor expressed in the sperm cells of flowering plants is involved in gamete fusion not only of plants but also of animals and parasites. These discoveries have led to

the consideration that the core mechanisms or factors involved in sexual reproduction may be shared by animals, plants and unicellular organisms. This valuable book is highly useful for reproductive biologists as well as for biological scientists outside this field in understanding the current progress of reproductive biology.

The State of the World's Children 2019 United Nations 2019-10-15 This report examines nutrition, providing a fresh perspective on a rapidly evolving challenge. Despite progress in the past two decades, around 200 million under-fives suffer from undernutrition. Adding to this toll is rising obesity, which affects 38 million children. All these forms of malnutrition threaten children's development, while obesity is creating a lifelong legacy of disease. At the heart of this evolving challenge is a global shift towards modern diets that do not meet children's nutritional requirements. The report provides unique data and analysis of malnutrition in the 21st century and outlines recommendations to put children's needs at the heart of global and national food systems.

World Trade Report 2017 World Trade Organization 2017-10-12 The World Trade Report 2017 discusses the effects of international trade and technological progress on labour market outcomes.

Cosmetic Science and Technology: Theoretical Principles and Applications Kazutami Sakamoto 2017-04-06 Cosmetic Science and Technology: Theoretical Principles and Applications covers the fundamental aspects of cosmetic science that are necessary to understand material development, formulation, and the dermatological effects that result from the use of these products. The book fulfills this role by offering a comprehensive view of cosmetic science and technology, including environmental and dermatological concerns. As the cosmetics field quickly applies cutting-edge research to high value commercial products that have a large impact in our lives and on the world's economy, this book is an indispensable source of information that is ideal for experienced researchers and scientists, as well as non-scientists who want to learn more about this topic on an introductory level. Covers the science, preparation, function, and interaction of cosmetic products with skin Addresses safety and environmental concerns related to cosmetics and their use Provides a graphical summary with short introductory explanation for each topic Relates product type performance to its main components Describes manufacturing methods of oral care cosmetics and body cosmetics in a systematic manner

Shaping the future we want Buckler, Carolee 2014-11-10

Gender Equity in STEM in Higher Education Hyun Kyoung Ro 2021-08-16 This timely volume brings together a range of international scholars to analyse cultural, political, and individual factors which contribute to the continued global issue of female underrepresentation in STEM study and careers. Offering a comparative approach to examining gender equity in STEM fields across countries including the UK, Germany, the United States, Hong Kong, Taiwan, South Africa, and China, the volume provides a thematic breakdown of institutional trends and national policies that have successfully improved gender equity in STEM at institutions of higher education. Offering case studies that demonstrate how policies interact with changing social and cultural norms, and impact women's choices and experiences in relation to the uptake and continuation of STEM study at the undergraduate level, the volume highlights new directions for research and policy to promote gender equity in STEM at school, university, and career levels. Contributing to the United Nations' (UN) 2030 Agenda for Sustainable Development, this text will benefit researchers, academics, and educators with an interest in science

education, higher education, and gender equity in STEM fields. The text will also support further discussion and reflection around multicultural education, educational policy and politics, and the sociology of education more broadly.

Nuclear Back-end and Transmutation Technology for Waste Disposal Ken Nakajima 2014-11-05 This book covers essential aspects of transmutation technologies, highlighting especially the advances in Japan. The accident at the Fukushima Daiichi Nuclear Power Plant (NPP) has caused us to focus attention on a large amount of spent nuclear fuels stored in NPPs. In addition, public anxiety regarding the treatment and disposal of high-level radioactive wastes that require long-term control is growing. The Japanese policy on the back-end of the nuclear fuel cycle is still unpredictable in the aftermath of the accident. Therefore, research and development for enhancing the safety of various processes involved in nuclear energy production are being actively pursued worldwide. In particular, nuclear transmutation technology has been drawing significant attention after the accident. This publication is timely with the following highlights: 1) Development of accelerator-driven systems (ADSs), which is a brand-new reactor concept for transmutation of highly radioactive wastes; 2) Nuclear reactor systems from the point of view of the nuclear fuel cycle. How to reduce nuclear wastes or how to treat them including the debris from TEPCO's Fukushima nuclear power stations is discussed; and 3) Environmental radioactivity, radioactive waste treatment and geological disposal policy. State-of-the-art technologies for overall back-end issues of the nuclear fuel cycle as well as the technologies of transmutation are presented here. The chapter authors are actively involved in the development of ADSs and transmutation-related technologies. The future of the back-end issues in Japan is very uncertain after the accident at the Fukushima Daiichi NPP and this book provides an opportunity for readers to consider the future direction of those issues.

International Handbook of Education for the Changing World of Work Rupert Maclean 2009-06-29 This six-volume handbook covers the latest practice in technical and vocational education and training (TVET). It presents TVET models from all over the world, reflections on the best and most innovative practice, and dozens of telling case studies. The handbook presents the work of established as well as the most promising young researchers and features unrivalled coverage of developments in research, policy and practice in TVET.

The Perfect Slime Hans-Curt Flemming 2016-09-15 The Perfect Slime presents the latest state of knowledge and all aspects of the Extracellular Polymeric Substances, (EPS) matrix – from the ecological and health to the antifouling perspectives. The book brings together all the current material in order to expand our understanding of the functions, properties and characteristics of the matrix as well as the possibilities to strengthen or weaken it. The EPS matrix represents the immediate environment in which biofilm organisms live. From their point of view, this matrix has paramount advantages. It allows them to stay together for extended periods and form synergistic microconsortia, it retains extracellular enzymes and turns the matrix into an external digestion system and it is a universal recycling yard, it protects them against desiccation, it allows for intense communication and represents a huge genetic archive. They can remodel their matrix, break free and eventually, they can use it as a nutrient source. The EPS matrix can be considered as one of the emergent properties of biofilms and are a major reason for the success of this form of life. Nevertheless, they have been termed the "black matter of biofilms" for good reasons. First of all: the isolation methods define the results. In most cases, only water soluble EPS

components are investigated; insoluble ones such as cellulose or amyloids are much less included. In particular in environmental biofilms with many species, it is difficult to impossible isolate, separate the various EPS molecules they are encased in and to define which species produced which EPS. The regulation and the factors which trigger or inhibit EPS production are still very poorly understood. Furthermore: bacteria are not the only microorganisms to produce EPS. Archaea, Fungi and algae can also form EPS. This book investigates the questions, What is their composition, function, dynamics and regulation? What do they all have in common?

The Oxford Handbook of Human Motivation Richard M. Ryan 2012-02-16 Motivation is that which moves us to action. Human motivation is thus a complex issue, as people are moved to action by both their evolved natures and by myriad familial, social and cultural influences. The Oxford Handbook of Human Motivation collects the top theorists and researchers of human motivation into a single volume, capturing the current state-of-the-art in this fast developing field. The book includes theoretical overviews from some of the best-known thinkers in this area, including chapters on Social Learning Theory, Control Theory, Self-determination theory, Terror Management theory, and the Promotion and Prevention perspective. Topical chapters appear on phenomena such as ego-depletion, flow, curiosity, implicit motives, and personal interests. A section specifically highlights goal research, including chapters on goal regulation, achievement goals, the dynamics of choice, unconscious goals and process versus outcome focus. Still other chapters focus on evolutionary and biological underpinnings of motivation, including chapters on cardiovascular dynamics, mood, and neuropsychology. Finally, chapters bring motivation down to earth in reviewing its impact within relationships, and in applied areas such as psychotherapy, work, education, sport, and physical activity. By providing reviews of the most advanced work by the very best scholars in this field, The Oxford Handbook of Human Motivation represents an invaluable resource for both researchers and practitioners, as well as any student of human nature.

Research in Mathematics Education in Australasia 2016–2019 Jennifer Way 2020-04-20 The tenth edition of the four-yearly review of mathematics education research in Australasia, compiled by the Mathematics Education Research Group of Australasia (MERGA), critically reviews research in mathematics education in the four years from 2016 to 2019. Its goals are to provide a reference guide for researchers, and to promote further quality research in Australasia.

The Cambridge Handbook of the Changing Nature of Work Brian J. Hoffman 2020-04-23 This handbook provides an overview of the research on the changing nature of work and workers by marshalling interdisciplinary research to summarize the empirical evidence and provide documentation of what has actually changed. Connections are explored between the changing nature of work and macro-level trends in technological change, income inequality, global labor markets, labor unions, organizational forms, and skill polarization, among others. This edited volume also reviews evidence for changes in workers, including generational change (or lack thereof), that has accumulated across domains. Based on documented changes in work and worker behavior, the handbook derives implications for a range of management functions, such as selection, performance management, leadership, workplace ethics, and employee well-being. This evaluation of the extent of changes and their impact gives guidance on what best practices should be put in place to harness these developments to achieve success.

Mathematics Education in the Digital Age Alison Clark-Wilson 2021-05-25 The wide

availability of digital educational resources for mathematics teaching and learning is indisputable, with some notable genres of technologies having evolved, such as graphing calculators, dynamic graphing, dynamic geometry and data visualization tools. But what does this mean for teachers of mathematics, and how do their roles evolve within this digital landscape? This essential book offers an international perspective to help bridge theory and practice, including coverage of networking theories, curriculum design, task implementation, online resources and assessment. Mathematics Education in the Digital Age details the impacts this digital age has, and will continue to have, on the parallel aspects of learning and teaching mathematics within formal education systems and settings. Written by a group of international authors, the chapters address the following themes: Mathematics teacher education and professional development Mathematics curriculum development and task design The assessment of mathematics Theoretical perspectives and methodologies/approaches for researching mathematics education in the digital age This book highlights not only the complex nature of the field, but also the advancements in theoretical and practical knowledge that is enabling the mathematics education community to continue to learn in this increasingly digital age. It is an essential read for all mathematics teacher educators and master teachers.

Transported to Another World Stephen Reysen 2021-04-19 Anime/manga (Japanese animation and comics) have been increasing in popularity worldwide for decades. But despite being a global phenomenon, there's been surprisingly little psychological research formally studying its devoted fanbase. In this book we aim to do just that with an overview of nearly a decade of research by fan psychologists. Otaku and cosplayers, genre preferences, hentai, parasocial connections, motivation, personality, fandom and stigma, and well-being – this book looks at all of these topics through a psychological lens. Many of these findings are being presented for the first time, without the jargon and messy statistical analyses, but in plain language so it's accessible to all readers – fans and curious observers alike!

Food Anxiety in Globalising Vietnam Judith Ehlert 2018-01-01 This open access book approaches the anxieties inherent in food consumption and production in Vietnam. The country's rapid and recent economic integration into global agro-food systems and consumer markets spurred a new quality of food safety concerns, health issues and distrust in food distribution networks that have become increasingly obscured. This edited volume further puts the eating body centre stage by following how gendered body norms, food taboos, power structures and social differentiation shape people's ambivalent relations with food. It uncovers Vietnam's trajectories of agricultural modernisation against which consumers and producers manoeuvre amongst food self-sufficiency, security and abundance. Food Anxiety in Globalising Vietnam is explicitly about 'dangerous' food – regarding its materiality and meaning. It provides social science perspectives on anxieties related to food and surrounding discourses that travel between the local and the global, the individual and society and into the body. Therefore, the book's lens of food anxiety matters for social theory and for understanding the embeddedness and discontinuities of food globalizations in Vietnam and beyond. Due to its rich empirical base, methodological approaches and thematic foci, it will appeal to scholars, practitioners and students alike.--

The State of Food Security and Nutrition in the World 2018 Food and Agriculture Organization of the United Nations 2018-09-14 New evidence this year corroborates the rise in world hunger observed in this report last year, sending a warning that

more action is needed if we aspire to end world hunger and malnutrition in all its forms by 2030. Updated estimates show the number of people who suffer from hunger has been growing over the past three years, returning to prevailing levels from almost a decade ago. Although progress continues to be made in reducing child stunting, over 22 percent of children under five years of age are still affected. Other forms of malnutrition are also growing: adult obesity continues to increase in countries irrespective of their income levels, and many countries are coping with multiple forms of malnutrition at the same time – overweight and obesity, as well as anaemia in women, and child stunting and wasting.

Advances in Computing and Intelligent Systems Harish Sharma 2020-01-03 This book gathers selected papers presented at the International Conference on Advancements in Computing and Management (ICACM 2019). Discussing current research in the field of artificial intelligence and machine learning, cloud computing, recent trends in security, natural language processing and machine translation, parallel and

distributed algorithms, as well as pattern recognition and analysis, it is a valuable resource for academics, practitioners in industry and decision-makers. **Professional Development of Mathematics Teachers** Berinderjeet Kaur 2016-11-14 This book offers a counterpart to the extensive corpus of literature available on the same topic from a Western perspective. It showcases innovative approaches to professional development of mathematics teachers in Asian countries, and reports on both empirical and expository studies of teachers' professional development in these countries. It provides scholars from non-English-speaking and under-represented Asian countries the opportunity to engage in discourse with other scholars in the field, and is the first book to present substantial contributions from scholars in Asia on the professional development of mathematics teachers in their respective countries. It includes perspectives that shed valuable light on how the approaches pursued in Asian countries resemble or differ from those in the West.