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KEY=AGRICULTURAL - DUDLEY NATHANAEL

PRIMARY SCIENCE EDUCATION IN EAST ASIA

A CRITICAL COMPARISON OF SYSTEMS AND STRATEGIES

Springer This edited volume is a state-of-the-art comparison of primary science education across six East-Asian regions; namely, the People's Republic of China, Republic of Korea, Republic of China, Hong Kong SAR, Japan, and Singapore. While news of educational policies, classroom teaching, assessment, and other educational innovations here often surface in the international media, this book brings together for the first time relevant information regarding educational systems and strategies in primary science in East Asia. Above all, it is a readable yet comprehensive survey—readers would have an accurate sense of what has been accomplished, what has not worked so well, and what remains to be done. Invited experts in comparative education research and/or science education also provide commentary by discussing common themes across the six regions. These types of critical synoptic reviews add much value by enabling readers to understand broad commonalities and help synthesize what must surely be a bewildering amount of very interesting albeit confusing body of facts, issues, and policies. Education in East Asia holds many lessons (both positive and negative) to offer to the rest of the world to which this volume is a timely contribution to the literature.

THE DIAGNOSIS OF READING IN A SECOND OR FOREIGN LANGUAGE

Routledge The **Diagnosis of Reading in a Second or Foreign Language** explores the implications of language assessment research on classroom-based assessment practices by providing an in-depth look at the little-examined field of diagnosis in second and foreign language reading. This volume examines the development of second and foreign language reading and how subsequent research findings, couched in this knowledge, can help facilitate a more-informed teaching approach in second and foreign language classrooms. By contextualizing the latest in classroom settings and presenting implications for future research in this developing area of linguistics, this book is an ideal resource for those studying and working in applied linguistics, second language acquisition, and language assessment and education. About the NPLA Series: Headed by two of its leading scholars, the series captures the burgeoning field of language assessment by offering comprehensive and state-of-the-art coverage of its contemporary questions, pressing issues, and technical advances. It is the only active series of its kind on the market, and will include volumes on basic and advanced topics in language assessment, public policy and language assessment, and the interfaces of language assessment with other disciplines in applied linguistics. Each text presents key theoretical approaches and research findings, along with concrete practical implications and suggestions for readers conducting their own research or developmental studies.

MEDICAL SEXISM

CONTRACEPTION ACCESS, REPRODUCTIVE MEDICINE, AND HEALTH CARE

Lexington Books **Doctors routinely deny patients access to hormonal birth control prescription refills, and this issue has broad interest for feminism, biomedical ethics, and applied ethics in general. Medical Sexism** argues that such practices violate a variety of legal and moral standards, including medical malpractice, informed consent, and human rights. Jill B. Delston makes the case that medical sexism serves as a major underlying cause of these systemic and persistent violations. Delston also considers other common abuses in the

medical field, such as policy on abortion access and treatment in childbirth. Delston argues that sexism is a better explanation for the widespread abuse of patient autonomy in reproductive health and health care generally. Identifying, addressing, and rooting out medical sexism is necessary to successfully protect medical and moral values.

ORE DEPOSITS IN AN EVOLVING EARTH

[Geological Society of London](#) Ore deposits form by a variety of natural processes that concentrate elements into a volume that can be economically mined. Their type, character and abundance reflect the environment in which they formed and thus they preserve key evidence for the evolution of magmatic and tectonic processes, the state of the atmosphere and hydrosphere, and the evolution of life over geological time. This volume presents 13 papers on topical subjects in ore deposit research viewed in the context of Earth evolution. These diverse, yet interlinked, papers cover topics including: controls on the temporal and spatial distribution of ore deposits; the sources of fluid, gold and other components of orogenic gold deposits; the degree of oxygenation in the Neoproterozoic ocean; bacterial immobilization of gold in the semi-arid near-surface environment; and mineral resources for the future, including issues of resource estimation, sustainability of supply and the criticality of certain elements to society.

EBOOK: THE SCIENCE OF PSYCHOLOGY: AN APPRECIATIVE VIEW

[McGraw Hill](#) Ebook: The Science of Psychology: An Appreciative View

ROCKET PROPULSION ELEMENTS

[John Wiley & Sons](#) **THE DEFINITIVE INTRODUCTION TO ROCKET PROPULSION THEORY AND APPLICATIONS** The recent upsurge in global government and private spending and in space flight events has resulted in many novel applications of rocket propulsion technology. Rocket Propulsion Elements remains the definitive guide to the field, providing a comprehensive introduction to essential concepts and applications. Led by industry veteran George P. Sutton and by Professor Oscar Biblarz, this book provides interdisciplinary coverage including thermodynamics, aerodynamics, flight performance, propellant chemistry and more. This thoroughly revised ninth edition includes discussion and analysis of recent advances in the field, representing an authoritative reference for students and working engineers alike. In any engineering field, theory is only as useful as it is practical; this book emphasizes relevant real-world applications of fundamental concepts to link "thinking" and "doing". This book will help readers: Understand the physics of flight and the chemistry of propulsion Analyze liquid, solid, gas, and hybrid propellants, and the engines they fuel Consider high-temperature combustion, stability, and the principles of electric and chemical propulsion Dissect the workings of systems in common use around the world today Delve into the latest advances in materials, systems, propellants, and more Broad in scope, rich in detail, and clear in explanation, this seminal work provides an unparalleled foundation in aerospace engineering topics. Learning through the lens of modern applications untangles complex topics and helps students fully grasp the intricacies on a more intuitive level. Rocket Propulsion Elements, Ninth Edition merges information and utility building a solid foundation for innovation.

FOUNDATION OF DIGITAL BADGES AND MICRO-CREDENTIALS

DEMONSTRATING AND RECOGNIZING KNOWLEDGE AND COMPETENCIES

[Springer](#) This edited volume provides insight into how digital badges may enhance formal, non-formal and informal education by focusing on technical design issues including organizational requirements, learning and instructional design, as well as deployment. It features current research exploring the theoretical foundation and empirical evidence of the utilization of digital badges as well as case studies that describe current practices and experiences in the use of digital badges for motivation, learning, and instruction in K-12, higher education, workplace learning, and further education settings.

ROUTLEDGE HANDBOOK OF NUCLEAR PROLIFERATION AND POLICY

[Routledge](#) This new Handbook is a comprehensive examination of the rich and complex issues of nuclear proliferation in the early 21st century. The future of the decades-long effort to prevent the further spread of weapons of mass destruction is at a crossroads today. If international nonproliferation efforts are to be successful, an integrated, multi-tiered response will almost certainly be necessary. A serious, thorough, and clear-eyed examination of the range of threats, challenges, and opportunities facing the international

community is a necessary first step. This Handbook, which presents the most up-to-date analysis and policy recommendations on these critical issues by recognized, leading scholars in the field, intends to provide such an examination. The volume is divided into three major parts: Part I presents detailed threat assessments of proliferation risks across the globe, including specific regions and countries. Part II explains the various tools developed by the international community to address these proliferation threats. Part III addresses the proliferation risks and political challenges arising from nuclear energy production, including potential proliferation by aspiring states and nonstate groups. This Handbook will be of great interest to students and practitioners of nuclear proliferation, arms control, global governance, diplomacy, and global security and IR general.

NUTRITION EDUCATION IN THE K-12 CURRICULUM

THE ROLE OF NATIONAL STANDARDS: WORKSHOP SUMMARY

National Academies Press The childhood obesity epidemic and related health consequences are urgent public health problems. Approximately one-third of America's young people are overweight or obese. Health problems once seen overwhelmingly in adults, such as type 2 diabetes, cardiovascular disease, and hypertension, are increasingly appearing in youth. Though the health of Americans has improved in many broad areas for decades, increases in obesity could erode these and future improvements. The IOM report *Accelerating Progress in Obesity Prevention: Solving the Weight of the Nation* recognized the importance of the school environment in addressing the epidemic and recommended making schools a focal point for obesity prevention. The development and implementation of K-12 nutrition benchmarks, guides, or standards (for a discussion of these terms, see the next section of this chapter) would constitute a critical step in achieving this recommendation. National nutrition education curriculum standards could have a variety of benefits, including the following: Improving the consistency and effectiveness of nutrition education in schools; Preparing and training teachers and other education staff to help them provide effective nutrition education; Assisting colleges and universities in the development of courses in nutrition as part of teacher certification and in updating methods courses on how to integrate nutrition education in subject-matter areas in the classroom and in materials; and Establishing a framework for future collaborative efforts and partnerships to improve nutrition education. *Nutrition Education in the K-12 Curriculum: The Role of National Standards* is a summary of the workshop's presentations and discussions prepared from the workshop transcript and slides. This summary presents recommendations made by individual speakers.

RESEARCH FOR EDUCATIONAL CHANGE

TRANSFORMING RESEARCHERS' INSIGHTS INTO IMPROVEMENT IN MATHEMATICS TEACHING AND LEARNING

Routledge *Research for Educational Change* presents ways in which educational research can fulfil its commitments to educational practice. Focussing its discussion within the context of mathematics education, it argues that while research-generated insights can have beneficial effects on learning and teaching, the question of how these effects are to be generated and sustained is far from evident. The question of how to turn research into educational improvement is discussed here in the context of learning and teaching hindered by poverty and social injustice. In the first part of the book, four teams of researchers use different methodologies while analysing the same corpus of data, collected in a South African mathematics classroom. In the second part, each of these teams makes a specific proposal about what can be done and how so that its research-generated insights have a tangible, beneficial impact on what is happening in mathematical classrooms. Combining two discourses - that of researchers speaking to one another, and that of researchers communicating their insights to those responsible for educational practice - the book deals with the perennial question of communication between those who study educational processes and those who are directly responsible for teacher education, educational research and classroom practices. This book will be key reading for postgraduates, researchers and academics in education and particularly in the areas of mathematics education, education research, teacher education and classroom practice. It will also appeal to teacher educators, practitioners and undergraduate students interested in educational research.

THE NORMAL ACCIDENT THEORY OF EDUCATION

WHY REFORM AND REGULATION WON'T MAKE SCHOOLS BETTER

Rowman & Littlefield Analyses of education are too often developed for public consumption in a fast-moving political world. This book examines some of the deeper organizational reasons why things don't work so well in school, as well as a look at some of things that do work. Most importantly, the book will explain how the social and cultural expectations of what schools can do may create unrealistic hopes. We, as a society, and schools, as institutions, embrace these unreasonably high hopes at our collective peril.

AMERICAN DEFENSE POLICY

[JHU Press](#) "Organized into three parts, the ninth edition traces the impact that societal changes and emerging technologies are having as force enablers, game changers, or disrupters of American defense policy"--

COMMUNITY QUALITY-OF-LIFE INDICATORS: BEST CASES VII

[Springer](#) This book is the seventh volume in a series covering best practices in community quality of life indicators. The case studies and analysis in this volume demonstrate how community indicators projects today operate within a need to amplify the voice of disadvantaged communities, seriously explore the increasing use of information technology, produce positive community change and sustain these efforts over time. The work presented here spans North American and Australian community work and demonstrates how the field of community indicators has undergone a rapid evolution in only a few decades. Today as in their original formulations, community indicators projects are designed to gauge the social, economic and physical health and well-being of communities.

LEARNING AND PERFORMANCE ASSESSMENT: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

[IGI Global](#) As teaching strategies continue to change and evolve, and technology use in classrooms continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students' participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions. Educators must remain up-to-date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel. Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings. Highlighting a range of topics such as learning outcomes, assessment design, and peer assessment, this multi-volume book is ideally designed for educators, administrative officials, principals, deans, instructional designers, school boards, academicians, researchers, and education students seeking coverage on an educator's role in evaluation design and analyses of evaluation methods and outcomes.

COMPARATIVE POLITICAL AND ECONOMIC PERSPECTIVES ON THE MENA REGION

[IGI Global](#) The region that includes the Middle East and Northern Africa (MENA) faces a diverse set of cultural, political, and economic issues. Exploring the countries that are considered to be a part of the MENA region as well as comparing this region to the rest of the developing and developed world provides essential insight into the current state of the region as well as its future outlook. Comparative Political and Economic Perspectives on the MENA Region takes a critical approach to analyzing the socio-economic development of the MENA Region and the role of politics and various social issues in this development. Highlighting research-based perspectives from global leaders on topics such as decentralization, international affairs, the Arab Spring, foreign direct investment, and education in the Middle East and Northern Africa, this publication is designed for library reference section inclusion and meets the research needs of government officials, professionals specializing in international business, economists, researchers, and graduate-level students in the areas of economics, international politics, African and Middle Eastern studies, and regional development.

TEACHER TRAINING AND PROFESSIONAL DEVELOPMENT: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

[IGI Global](#) Regardless of the field or discipline, technology is rapidly advancing, and individuals are faced with the challenge of adapting to these new innovations. To remain up-to-date on the current practices, teachers and administrators alike must constantly stay informed of the latest advances in their fields. Teacher Training and Professional Development: Concepts, Methodologies, Tools, and Applications contains a compendium of the latest academic material on the methods, skills, and techniques that are essential to lifelong learning and professional advancement. Including innovative studies on teaching quality, pre-service teacher preparation, and faculty enrichment, this multi-volume book is an ideal source for academics, professionals, students, practitioners, and researchers.

HANDBOOK OF RESEARCH ON INDIVIDUALISM AND IDENTITY IN THE GLOBALIZED DIGITAL AGE

IGI Global Globalization has shifted perspectives on individualism and identity as cultural exchange occurs more rapidly in an age of heightened connectivity. As technology connects those around the world, it too helps to provoke a shift in the autonomy of individuals. The Handbook of Research on Individualism and Identity in the Globalized Digital Age is an essential resource for researchers, professionals, and graduate-level students. This book explores and explains how globalization has impacted humans with specific emphasis on education and human development. This research-based publication presents critical perspectives on universal changes that are occurring due to globalization.

STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES

A PATH FORWARD

National Academies Press Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

DEVELOPMENT THROUGH LIFE: A PSYCHOSOCIAL APPROACH

Cengage Learning 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.

HANDBOOK ON TEACHING AND LEARNING IN POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

Edward Elgar Publishing With a focus on providing concrete teaching strategies for scholars, the Handbook on Teaching and Learning in Political Science and International Relations blends both theory and practice in an accessible and clear manner. In an effort to help faculty

THE EDUCATION INVASION

HOW COMMON CORE FIGHTS PARENTS FOR CONTROL OF AMERICAN KIDS

Encounter Books Most Americans had no idea what Common Core was in 2013, according to polls. But it had been creeping into schools nationwide over the previous three years, and children were feeling its effects. They cried over math homework so mystifying their parents could not help them, even in elementary school. They read motley assortments of “informational text” instead of classic literature. They dreaded the high-stakes tests, in unfamiliar formats, that were increasingly controlling their classrooms. How did this latest and most sweeping “reform” of American education come in mostly under the radar? Joy Pullmann started tugging on a thread of reports from worried parents and frustrated teachers, and it led to a big tangle of history and politics, intrigue and arrogance. She unwound it to discover how a cabal of private foundation honchos and unelected public officials cooked up a set of rules for what American children must learn in core K-12 classes, and how the Obama administration pressured states to adopt them. Thus a federalized education scheme took root, despite legal prohibitions against federal involvement in curriculum. Common Core and its testing regime were touted as “an absolute game-changer in

public education,” yet the evidence so far suggests that kids are actually learning less under it. Why, then, was such a costly and disruptive agenda imposed on the nation’s schools? Who benefits? And how can citizens regain local self-governance in education, so their children’s minds will be fed a more nourishing intellectual diet and be protected from the experiments of emboldened bureaucrats? *The Education Invasion* offers answers and remedies.

CREATING STELLAR LESSONS WITH DIGITAL TOOLS

FROM INTEGRATION TO INNOVATION IN TECHNOLOGY-ENHANCED TEACHING

[Routledge](#) *Creating Stellar Lessons with Digital Tools* prepares teachers in training and in-service teachers to use technologies for design and development activities with middle and high school students. While software, open resources, handheld devices, and other tools hold great potential to enhance learning experiences, teachers themselves must model technology use in ways that inspire students to become producers and leaders rather than consumers and followers. Featuring concrete applications in social studies, English, mathematics, and science scenarios, this book provides pre-service teachers with seven paths to creatively integrate and innovate with computational thinking, datasets, maker spaces, visual design, media editing, and other approaches.

COUNT GIRLS IN

EMPOWERING GIRLS TO COMBINE ANY INTERESTS WITH STEM TO OPEN UP A WORLD OF OPPORTUNITY

[Chicago Review Press](#) To succeed in science and tech fields today, girls don't have to change who they are. A girl who combines her natural talents, interests, and dreams with STEM skills has a greater shot at a career she loves and a salary she deserves. The authors present compelling research in a conversational, accessible style and provide specific advice and takeaways for each stage of schooling from elementary school through college, followed by comprehensive STEM resources. This isn't a book about raising competitive, test-acing girls in lab coats; this is about raising happy, confident girls who realize the world of opportunities before them.

FOOD AND COOKING SKILLS EDUCATION

WHY TEACH PEOPLE HOW TO COOK?

[Routledge](#) *Food and Cooking Skills Education (FCSE)* is a complex mix of policy and practicality, educational theory and pedagogy, classroom and government policy. This book shows how FCSE has been at the centre of a tussle between education and policy for decades. It reviews how FCSE has grappled with various significant issues of concern that threaten to marginalise it and pose problems for educational practicalities, as expectations are increased, but resources are squeezed. It assesses the debate about the significance and importance of acquiring practical food and cooking skills in a society where the purchase of ready-made food has become commonplace, and public knowledge of where our food comes from is noticeably lacking. This has contributed to the escalating incidence of diet-related diseases and the attendant cost to society, and threatened environmental sustainability. In turn, governments have reacted by proposals to make practical cooking skills a statutory National Curriculum subject as part of the armoury for tackling such costs. Based on detailed research conducted across England and Wales, as well as comparisons with thirty-five other countries or states, the author makes recommendations for policy to manage this challenge facing contemporary society.

PISA 2012 RESULTS: STUDENTS AND MONEY (VOLUME VI) FINANCIAL LITERACY SKILLS FOR THE 21ST CENTURY

FINANCIAL LITERACY SKILLS FOR THE 21ST CENTURY

[OECD Publishing](#) This sixth volume of PISA 2012 results examines 15-year-old students’ performance in financial literacy in the 18 countries and economies that participated in this optional assessment.

SERVING LIBRARY USERS FROM ASIA

A COMPREHENSIVE HANDBOOK OF COUNTRY-SPECIFIC INFORMATION AND OUTREACH RESOURCES

[Rowman & Littlefield](#) Asian populations are among some of the fastest growing cultural groups in the US. This book is a comprehensive guide to serving library users from 24 specific Asian countries. It begins with a broad overview of how libraries can better serve Asian communities and then devotes a chapter to each country, providing wealth of valuable resources.

CONFERENCE PROCEEDINGS. NEW PERSPECTIVES IN SCIENCE EDUCATION

6TH EDITION

[libreriauniversitaria.it](#) Edizioni

HANDBOOK ON THE INTERNATIONAL POLITICAL ECONOMY OF CHINA

[Edward Elgar Publishing](#) This book examines the processes, evolution and consequences of China's rapid integration into the global economy. Through analyses of Beijing's international economic engagement in areas such as trade, investment, finance, sustainable development and global economic governance, it highlights the forces shaping China's increasingly prominent role in the global economic arena. Chapters explore China's behavior in global economic governance, the interests and motivations underlying China's international economic initiatives and the influence of politics, including both domestic politics and foreign relations, on the country's global economic footprint.

YOUTH AND SOCIETY

THE LONG AND WINDING ROAD, THIRD EDITION

[Canadian Scholars' Press](#) In this essential third edition, Vappu Tyyskä examines the challenges faced by today's young people through a critical lens. Difficult questions related to such issues as employment, education, social pressure, identity, and crime are explored by Tyyskä as she paints a fascinating picture of modern youth in three countries: Canada, the United States, and the United Kingdom. The author explores the negative stereotypes surrounding young people, and argues that it is time to contextualize our understanding of youth by addressing the underlying social, economic, and political issues they face. Each of the ten revised chapters begins with a list of key learning objectives and ends with discussion questions to aid in the learning process and stimulate critical thinking. This new edition incorporates updated statistics, comprehensive tables, and revised narratives in which the author explores topics pertinent to today's youth such as the influence of social media, eating disorders, and recent changes to the juvenile justice system.

EDUCATIONAL RESPONSE, INCLUSION AND EMPOWERMENT FOR SDGS IN EMERGING ECONOMIES

HOW DO EDUCATION SYSTEMS CONTRIBUTE TO RAISING GLOBAL CITIZENS?

[Springer Nature](#) This volume analyzes cases from emerging economies in relation to the global endeavor to promote the vision of sustainable development in all forms of education. It aims to discuss the significance of hearing local voices and understanding local discourse regarding strategies for action for change, and the role of educational systems as a means to communicate, promote and educate for the Sustainable Development Goals (SDGs). In this book, emerging economies are defined as newly industrialized countries that have not yet reached developed status, but have, in a macro-economic sense, outpaced their developing counterparts. In this context, the book highlights how education in emerging economies could extend conventional economic methods to sustainability issues, or depart from money-based calculations and business-dominated values to promotion of real-life considerations and ethical, environmental and humanistic values. With the help of this volume, readers will have a chance to look at educational response, inclusion and empowerment for SDGs in countries with emerging economies, and to grasp the synthesis of Education for Sustainable Development/Global Citizenship Education (ESD/GCE) within the overall national educational systems. This volume focuses on early childhood through upper secondary education.

GREEN HOME BUILDING

MONEY-SAVING STRATEGIES FOR AN AFFORDABLE, HEALTHY, HIGH-PERFORMANCE HOME

[New Society Publishers](#) **Build a truly green home for the same total net cost as the conventional alternative**

EDUCATIONAL PRACTICES IN GERMANY: AN OVERVIEW

[Penerbit USM](#) **Educational Practices in Germany: An Overview** discusses the Malaysian and German researchers' perspective on the educational practices in German schools. The foci of this book are on the education system, classroom management and teacher education, integration of ICT in classrooms, teaching and learning of science and mathematics at the secondary school level, influence of cultural aspects as well as extracurricular activities in German schools.

INCLUSION IN ACTION

[Cengage AU](#) **How can classroom teachers effectively differentiate learning and teaching programs to provide for the needs of every student in their class? This best-selling text begins by asking "Why include all students?" in regular classrooms and then shows how this can be done. It outlines the philosophy of inclusive education and focuses on the use of individualised planning and effective teaching practices to maximise learning outcomes within positive and productive environments. Vignettes and narratives provide real-life examples that help put the theory in context. This fifth edition includes broader coverage of issues to do with diversity and individual differences, particularly cultural and multicultural inclusion, linguistic diversity and giftedness. There is more throughout on the universal design for learning framework and on partnerships with families, while new pedagogical features encourage readers to reflect. Throughout, it emphasises a practical, research-based approach to teaching that can be applied to support students with a range of differences and additional needs.**

OECD ECONOMIC SURVEYS: BRAZIL 2020

[OECD Publishing](#) **The COVID-19 pandemic has caused severe human suffering and triggered a deep recession in Brazil. Economic policies reacted in a timely and decisive manner to the crisis, supporting millions of Brazilians. But a strong and inclusive recovery from the recession will require long-lasting improvements in economic policies. Improving fiscal outcomes remains one of Brazil's principal challenges given a high debt burden, to which the pandemic has added significantly. Public spending will need to become more efficient, including by building on past progress in the fight against corruption and economic crimes. Social protection can be strengthened through a better focus on the most effective policies and benefits, which could allow significant reductions in inequality and poverty. Stronger growth will hinge on raising productivity, which has been virtually stagnant for decades. This requires addressing underlying policy challenges, including reducing regulatory burdens, reforming taxes, strengthening judicial efficiency and fostering a stronger integration into the global economy. Raising productivity implies reallocations and structural changes in the economy, which should be accompanied by well-designed training and education policies. Training with a strong focus on local skill demand can help workers master the transition and seize new opportunities to move into better jobs. SPECIAL FEATURES: BOOSTING PRODUCTIVITY; SKILLS POLICIES TO FACILITATE STRUCTURAL ADJUSTMENT**

TEACHING PRIMARY SCIENCE CONSTRUCTIVELY

[Cengage AU](#) **Teaching Primary Science Constructively** helps readers to create effective science learning experiences for primary students by using a constructivist approach to learning. This best-selling text explains the principles of constructivism and their implications for learning and teaching, and discusses core strategies for developing science understanding and science inquiry processes and skills. Chapters also provide research-based ideas for implementing a constructivist approach within a number of content strands. Throughout there are strong links to the key ideas, themes and terminology of the revised Australian Curriculum: Science. This sixth edition includes a new introductory chapter addressing readers' preconceptions and concerns about teaching primary science.

CHINESE INDUSTRIAL ESPIONAGE

TECHNOLOGY ACQUISITION AND MILITARY MODERNISATION

[Routledge](#) **This new book is the first full account, inside or outside government, of China's efforts to acquire foreign technology. Based on primary sources and meticulously**

researched, the book lays bare China's efforts to prosper technologically through others' achievements. For decades, China has operated an elaborate system to spot foreign technologies, acquire them by all conceivable means, and convert them into weapons and competitive goods—without compensating the owners. The director of the US National Security Agency recently called it "the greatest transfer of wealth in history." Written by two of America's leading government analysts and an expert on Chinese cyber networks, this book describes these transfer processes comprehensively and in detail, providing the breadth and depth missing in other works. Drawing upon previously unexploited Chinese language sources, the authors begin by placing the new research within historical context, before examining the People's Republic of China's policy support for economic espionage, clandestine technology transfers, theft through cyberspace and its impact on the future of the US. This book will be of much interest to students of Chinese politics, Asian security studies, US defence, US foreign policy and IR in general.

COLLECTIVE GOODS AND HIGHER EDUCATION RESEARCH

PASTEUR'S QUADRANT IN HIGHER EDUCATION

Routledge 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.

POLICY-MAKING IN THE GCC

STATE, CITIZENS AND INSTITUTIONS

Bloomsbury Publishing The GCC is a major player in the post-2011 reordering of the Middle East. Despite the rise in prominence of individual Gulf states - especially Kuwait, Qatar, Saudi Arabia and the United Arab Emirates - and the growth of the GCC as a collective entity, surprisingly little attention has been paid to the actual mechanics of policy-making in the region. This book analyses the vital role that institutions are coming to play in shaping policy in the Gulf Arab states. The research coincides with two key developments that have given institutions new importance in the policy process: the emergence of a new generation of leaders in the Gulf, and the era of low oil prices. Both developments, along with dramatic demographic change, have compelled state and citizens to re-evaluate the nature of the social contract that binds them together. Contributors assess the changing relationship between state and citizen and evaluate the role that formal and informal institutions play in mediating such change and informing policy. The book shows how academic, social and economic institutions are responding to the increasingly complex process of decision-making, where citizens demand better services and further empowerment, and states are obliged to seek wider counsel, although wanting to retain ultimate authority. With contributions from both academics and practitioners, this book will be highly relevant for researchers and policymakers alike.

SCIENCE LITERACY

CONCEPTS, CONTEXTS, AND CONSEQUENCES

National Academies Press Science is a way of knowing about the world. At once a process, a product, and an institution, science enables people to both engage in the construction of new knowledge as well as use information to achieve desired ends. Access to science—whether using knowledge or creating it—necessitates some level of familiarity with the enterprise and practice of science: we refer to this as science literacy. Science literacy is desirable not only for individuals, but also for the health and well-being of communities and society. More than just basic knowledge of science facts, contemporary definitions of science literacy have expanded to include understandings of scientific processes and practices, familiarity with how science and scientists work, a capacity to weigh and evaluate the products of science, and an ability to engage in civic decisions about the value of science. Although science literacy has traditionally been seen as the responsibility of individuals, individuals are nested within communities that are nested within societies—and, as a result, individual science literacy is limited or enhanced by the circumstances of that nesting. Science Literacy studies the role of science literacy in public support of science. This report synthesizes the available research literature on science literacy, makes recommendations on the need to improve the understanding of science and scientific research in

the United States, and considers the relationship between scientific literacy and support for and use of science and research.

SICK SCHOOLS

DIAGNOSIS, CURE, AND PREVENTION OF SCHOOL MALADIES

Wipf and Stock Publishers **Who's afraid of for-profit education? Those who work in non-profit or government owned and operated schools. Many parents and other stakeholders have been made fearful by this education establishment. What's more important to humans: nutrition or education? Nutrition is more important because it is the prerequisite for other human activities, including education. What organizations provide food and who pays for the food? Food is provided by for-profit farmers, for-profit processors, for-profit wholesalers, and for-profit retailers. Most food is purchased with the consumers' own money, but a significant amount is purchased by low-income individuals using food stamps. Why can't education be provided similarly using education stamps? We trust for-profit enterprises to provide our food. Why can't we trust for-profit enterprises to provide K-12 education? Fearmongers have frightened us and made us into gullible compliant socialists who despise commercial activities in education. Go to the supermarket and ponder its marvelous array of foods and then contemplate how a for-profit K-12 education sector would please and amaze its customers.**