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Literacy as Numbers Teacher's Book *Cambridge University Press* **This collection presents new investigations into the role of heritage languages and the correlation between culture and language from a pedagogic and cosmopolitical point of view. Handbook of Research on Maximizing Cognitive Learning through Knowledge Visualization** *IGI Global* **The representation of abstract data and ideas can be a difficult and tedious task to handle when learning new concepts; however, the advances of emerging technology have allowed for new methods of representing such conceptual data. The Handbook of Research on Maximizing Cognitive Learning through Knowledge Visualization focuses on the use of visualization technologies to assist in the process of better comprehending scientific concepts, data, and applications. Highlighting the utilization of visual power and the roles of sensory perceptions, computer graphics, animation, and digital storytelling, this book is an essential reference source for instructors, engineers, programmers, and software developers interested in the exchange of information through the visual depiction of data. Diversity in Mathematics Education Towards Inclusive Practices** *Springer* **This book presents a research focus on diversity and inclusivity in mathematics education. The challenge of diversity, largely in terms of student profiles or contextual features, is endemic in mathematics education, and is often argued to require differentiation as a response. Typically different curricula, text materials, task structures or pedagogies are favoured responses, but huge differences in achievement still result. If we in mathematics education seek to challenge that status quo, more research must be focussed not just on diversity but also on the inclusivity, of practices in mathematics education. The book is written by a group of experienced collaborating researchers who share this focus. It is written for researchers, research students, teachers and in-service professionals,**

who recognise both the challenges but also the opportunities of creating and evaluating new inclusive approaches to curriculum and pedagogy – ones that take for granted the positive values of diversity. Several chapters report new research in this direction. The authors are part of, or have visited with, the mathematics education staff of the Faculty of Education at Monash University, in Melbourne, Australia. The chapters all focus on the ideas of development in both research and practice, recognising that the current need is for new inclusive approaches. The studies presented are set in different contexts, including Australia, China, the United States, and Singapore. C2 Re-envisioned The Future of the Enterprise *CRC Press* Command and Control (C2) is the set of organizational and technical attributes and processes by which an enterprise marshals and employs human, physical, and information resources to solve problems and accomplish missions.C2 Re-envisioned: The Future of the Enterprise identifies four interrelated megatrends that are individually and collectively shaping the state of the art and practice of C2 as well as the mission challenges we face. These megatrends the book examines are: Big Problems—manifested in part as increasing complexity of both endeavors and enterprises, as military establishments form coalitions with each other, and partnerships with various civilian agencies and non-governmental organizations Robustly Networked Environments—enabled by the extremely broad availability of advanced information and communications technologies (ICT) that place unprecedented powers of information creation, processing, and distribution in the hands of almost anyone who wants them—friend and foe alike Ubiquitous Data—the unprecedented volumes of raw and processed information with which human actors and C2 systems must contend Organizational alternatives—as decentralized, net-enabled approaches to C2 have been made more feasible by technology. The book analyzes historical examples and experimental evidence to determine the critical factors that make C2 go wrong and how to get it right. Successful enterprises in the future will be those that can reconfigure their approaches in an agile manner. Offering fresh perspectives on this subject of critical importance, this book provides the understanding you will need to choose your organizational approaches to suit the mission and the conditions at hand. Evaluating Teacher Education Programs through Performance-Based Assessments *IGI Global* Performance-based assessments have become a critical component of every teacher education program. Such assessments allow teacher candidates to demonstrate their content and pedagogical knowledge, skills, and dispositions in an authentic setting. Evaluating Teacher Education Programs through Performance-Based Assessments analyzes and discusses the theory and concepts behind teacher education program evaluation using assessment tools such as lesson plans, classroom artifacts, student work examples, and video recordings of lessons. Emphasizing critical real-world examples and empirically-based studies, this research-based publication is an ideal reference source for university

administrators, teacher educators, K-12 leaders, and graduate students in the field of education. Experimental Algorithms 13th International Symposium, SEA 2014, Copenhagen, Denmark, June 29 -- July 1, 2014, Proceedings *Springer* This book constitutes the refereed proceedings of the 13th International Symposium on Experimental Algorithms, SEA 2014, held in Copenhagen, Denmark, in June/July 2014. The 36 revised full papers presented together with 3 invited presentations were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections on combinatorial optimization, data structures, graph drawing, shortest path, strings, graph algorithms and suffix structures. Mathematical Cultures The London Meetings 2012-2014 *Birkhäuser* This collection presents significant contributions from an international network project on mathematical cultures, including essays from leading scholars in the history and philosophy of mathematics and mathematics education. Mathematics has universal standards of validity. Nevertheless, there are local styles in mathematical research and teaching, and great variation in the place of mathematics in the larger cultures that mathematical practitioners belong to. The reflections on mathematical cultures collected in this book are of interest to mathematicians, philosophers, historians, sociologists, cognitive scientists and mathematics educators. Clickers in the Classroom Using Classroom Response Systems to Increase Student Learning *Stylus Publishing, LLC* With classroom response systems (or CRSs, also known as Student Response Systems, Individual Response Systems, or, informally, "clickers") in use in higher education for some 20 years, there is now both ample research and a wealth of examples and ideas to draw on for faculty who are contemplating their use, or exploring new ways to integrate them in their teaching. The research demonstrates that, integrated purposefully in courses, the use of clickers aligns with what neuroscience tells us about the formation of memory and the development of learning. In addition, they elicit contributions from otherwise reticent students and enhance collaboration, even in large lecture courses; foster more honest responses to discussion prompts; increase students' engagement and satisfaction with the classroom environment; and provide an instantaneous method of formative assessment. This book presents a brief history of the development of CRSs and a survey of empirical research to provide a context for current best practices, and then presents seven chapters providing authentic, effective examples of the use of clickers across a wide range of academic disciplines, demonstrating how they can be effective in helping students to recognize their misconceptions and grasp fundamental concepts. Like all pedagogical interventions, classroom response systems are no panacea, and the experienced contributors candidly describe avoidable pitfalls while demonstrating how clickers can deepen student learning and how, by providing instantaneous feedback, they enable teachers to make adjustments on the fly to better address student understandings or misunderstandings. The final chapter explores pros and cons of response systems that use mobile devices and smart

phones, and the book concludes with an annotated list of further resources, such as books, articles, and videos. Advancing Human Assessment The Methodological, Psychological and Policy Contributions of ETS *Springer* This book is open access under a CC BY-NC 2.5 license. This book describes the extensive contributions made toward the advancement of human assessment by scientists from one of the world's leading research institutions, Educational Testing Service. The book's four major sections detail research and development in measurement and statistics, education policy analysis and evaluation, scientific psychology, and validity. Many of the developments presented have become de-facto standards in educational and psychological measurement, including in item response theory (IRT), linking and equating, differential item functioning (DIF), and educational surveys like the National Assessment of Educational Progress (NAEP), the Programme of international Student Assessment (PISA), the Progress of International Reading Literacy Study (PIRLS) and the Trends in Mathematics and Science Study (TIMSS). In addition to its comprehensive coverage of contributions to the theory and methodology of educational and psychological measurement and statistics, the book gives significant attention to ETS work in cognitive, personality, developmental, and social psychology, and to education policy analysis and program evaluation. The chapter authors are long-standing experts who provide broad coverage and thoughtful insights that build upon decades of experience in research and best practices for measurement, evaluation, scientific psychology, and education policy analysis. Opening with a chapter on the genesis of ETS and closing with a synthesis of the enormously diverse set of contributions made over its 70-year history, the book is a useful resource for all interested in the improvement of human assessment. International Perspectives on Home Education Do We Still Need Schools? *Springer* This collection brings together the research of an eclectic mix of leading names in home-based education studies worldwide. It uses home education to explore contemporary education outside of school and place it into a global, political and critical context, and will be essential reading for home educators, academics and policymakers alike. Modern Advances in Applied Intelligence 27th International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2014, Kaohsiung, Taiwan, June 3-6, 2014, Proceedings, Part I *Springer* The two volume set LNAI 8481 and 8482 constitutes the refereed conference proceedings of the 27th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2014, held in Kaohsiung, Taiwan, in June 2014. The total of 106 papers selected for the proceedings were carefully reviewed and selected from various submissions. The papers deal with a wide range of topics from applications of applied intelligent systems to solve real-life problems in all areas including engineering, science, industry, automation and robotics, business and finance, medicine and biomedicine, bioinformatics, cyberspace and human-machine interaction. Advanced

Problems in Mathematics Preparing for University This new and expanded edition is intended to help candidates prepare for entrance examinations in mathematics and scientific subjects, including STEP (Sixth Term Examination Paper). STEP is an examination used by Cambridge Colleges for conditional offers in mathematics. They are also used by some other UK universities and many mathematics departments recommend that their applicants practice on the past papers even if they do not take the examination.Advanced Problems in Mathematics bridges the gap between school and university mathematics, and prepares students for an undergraduate mathematics course. The questions analysed in this book are all based on past STEP questions and each question is followed by a comment and a full solution. The comments direct the reader's attention to key points and put the question in its true mathematical context. The solutions point students to the methodology required to address advanced mathematical problems critically and independently.This book is a must read for any student wishing to apply to scientific subjects at university level and for anyone interested in advanced mathematics. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors. Redeeming Mathematics A God-Centered Approach *Crossway* **What does Christianity have to do with the study of mathematics? Prolific writer and scholar Vern Poythress offers a startling answer to this perplexing question: everything. This groundbreaking book argues that the harmony of abstract mathematical truths, the physical world of things, and the personal world of our thinking depends on the existence of the Christian God. With advanced degrees in mathematics and New Testament studies, Poythress shows that these distinct "perspectives" on mathematics cohere because all three find their origin in God's consistent character and nature. Whether it's simple addition and subtraction or more complex mathematical concepts such as set theory and the nature of infinity, this comprehensive book lays a theistic foundation for all mathematical inquiry. GCSE Geography Edexcel B** *Oxford University Press - Children* **A student-friendly and engaging resource for the 2016 Edexcel GCSE Geography B specification, this brand new course is written to match the demands of the specification. As well as providing thorough and rigorous coverage of the spec, this book is designed to engage students in their learning and to motivate them to progress. Federal Statistics, Multiple Data Sources, and Privacy Protection Next Steps** *National Academies Press* **The environment for obtaining information and providing statistical data for policy makers and the public has changed significantly in the past decade, raising questions about the fundamental survey paradigm that underlies federal statistics. New data sources provide opportunities to develop a new paradigm that can improve timeliness, geographic or subpopulation detail, and statistical efficiency. It also has the potential to reduce the costs of producing federal statistics. The panel's first report described federal statistical agencies' current**

paradigm, which relies heavily on sample surveys for producing national statistics, and challenges agencies are facing; the legal frameworks and mechanisms for protecting the privacy and confidentiality of statistical data and for providing researchers access to data, and challenges to those frameworks and mechanisms; and statistical agencies access to alternative sources of data. The panel recommended a new approach for federal statistical programs that would combine diverse data sources from government and private sector sources and the creation of a new entity that would provide the foundational elements needed for this new approach, including legal authority to access data and protect privacy. This second of the panel's two reports builds on the analysis, conclusions, and recommendations in the first one. This report assesses alternative methods for implementing a new approach that would combine diverse data sources from government and private sector sources, including describing statistical models for combining data from multiple sources; examining statistical and computer science approaches that foster privacy protections; evaluating frameworks for assessing the quality and utility of alternative data sources; and various models for implementing the recommended new entity. Together, the two reports offer ideas and recommendations to help federal statistical agencies examine and evaluate data from alternative sources and then combine them as appropriate to provide the country with more timely, actionable, and useful information for policy makers, businesses, and individuals. Teaching Mathematics Using Popular Culture Strategies for Common Core Instruction from Film and Television *McFarland* Mathematics teachers often struggle to motivate their students. One way to cultivate and maintain student interest is for teachers to incorporate popular media into their methodology. Organized on the subject strands of the Common Core, this book explores math concepts featured in contemporary films and television shows and offers numerous examples high school math teachers can use to design lessons using pop culture references. Outlines for lessons are provided along with background stories and historical references. Closing the Gap *Oxford University Press* Since 2013, mathematicians from around the world have made dramatic progress on a problem in number theory that goes back centuries, the Twin Primes Conjecture, which asserts that there are infinitely many pairs of prime numbers that differ by 2 (for example, 17 and 19 is such a pair). This book describes two stories: that of the recent work on the Twin Primes Conjecture, and in parallel the related ideas around primes from the previous two thousand years of mathematics. 10 YEAR-WISE CTET Paper 1 Solved Papers (2011 - 2018) - English Edition *Disha Publications* 10 YEAR-WISE CTET Paper 1 Solved Papers (2011 - 2018) - English Edition contains Past 10 Solved Papers of the CTET exam. The past CTET Solved papers included are : June 2011, Jan & Nov 2012, July 2013, Feb & Sep 2014, Feb & Sep 2015 and Feb & Sep 2016 Papers. The languages covered in the tests are English (1st language) and Hindi (2nd language). Improving Teaching through Observation and Feedback Beyond

State and Federal Mandates *Routledge* **In response to Race to the Top, schools nationwide are rapidly overhauling their teacher evaluation processes. Often forced to develop and implement these programs without adequate extra-institutional support or relevant experience, already-taxed administrators need accessible and practical resources. Improving Teaching through Observation and Feedback brings cutting-edge research and years of practical experience directly to those who need them. In five concise chapters, Thomas Good and Alyson Lavigne briefly outline the history of RttT and then move quickly and authoritatively to a discussion of best practices. This book is a perfect resource for administrators reworking their processes for new evaluation guidelines. Regulating Blockchain Techno-Social and Legal Challenges The aim of this book is to understand the technological and business potential of the blockchain technology and to reflect on its legal challenges, providing an unparalleled critical analysis of the disruptive potential of this technology for the economy and the legal system. Knowledge Beyond Colour Lines Towards Repurposing Knowledge Generation in South African Higher Education** *African Sun Media* **Knowledge remains timely in education. The need for academics to contemplate its relevance, worth, use and everything in-between deems a continuous intellectual project, rather than a conundrum to be solved. This book takes the South African context by the horns as it challenges the often dormant and traditionalist ways in which higher education spaces see knowledge. Through original research and the voices of academics and students, this book argues for repurposing knowledge generation, knowledge sharing and critical pedagogy so that more inclusive teaching and learning environments can be both imagined and sustained. The contentious tensionalities that this creates for LoLT and SoTL, in particular, are unlocked so as to trouble the South African higher education landscape with the intent to proffer alternative pathways for a knowledge beyond colour lines. Prof Shan Simmonds (PhD) NWU This edited volume bristles with fresh scholarly approaches and insights of an emergent generation of engaged scholars grappling with the issues and problems of higher education in South Africa. The issues dealt with here are varied and encompassing. They are treated with intellectual delicacy and probing sensitivity, articulacy, informed data and bold conclusions. They serve well! Prof. Kwesi Kwaa Prah Emeritus Professor of Sociology, University of the Western Cape Founder of the Centre for Advanced Studies of African Society The Intersection of International Achievement Testing and Educational Policy Global Perspectives on Large-Scale Reform** *Routledge* **Educational systems around the world look to student assessment programs as they initiate reforms and revise educational policies to increase student achievement. This edited volume examines the intersection of international achievement testing and education policy development in key countries around the world, exploring how assessments can inform curriculum, pedagogy, strategic planning, and ultimately determine large-scale education policy and governance. Noted**

chapter contributors explore how educational leadership and governance issues have been influenced by assessment programs across a range of political, economic, cultural, and educational contexts. The Intersection of International Achievement Testing and Education Policy provides educators, academics, and policymakers with cultural insights, historical contexts, and a framework for negotiating and understanding the consequences of educational policy decisions in schools. Inspiring Primary Learners Insights and Inspiration Across the Curriculum *Routledge* Inspiring Primary Learners offers trainee and qualified teachers high-quality case studies of outstanding practice in contemporary classrooms across the country. Expert authors unravel and reveal the theory and evidence that underpins lessons, helping you make connections with your own practice and understand what 'excellent' looks like, within each context, and how it is achieved. Illustrated throughout with interviews, photos, and examples of children's work, it covers a range of primary subjects and key topics including creating displays, outdoor learning, and developing a reading for pleasure culture. The voice of the practitioner is evident throughout as teachers share their own experience, difficulties, and solutions to ensure that children are inspired by their learning. Written in two parts, the first exemplifies examples of practice for each National Curriculum subject, whilst the second focuses on the wider curriculum and explores issues pertinent to the primary classroom, highlighting important discussions on topics such as: Reading for pleasure Writing for pleasure Creating a dynamic and responsive curriculum Creating inspiring displays Outdoor learning Pedagogy for imagination Relationships and Sex Education This key text shows how, even within the contested space of education, practitioners can inspire their primary learners through teaching with passion and purpose for the empowerment of the children in their class. For all new teachers, it provides advice and ideas for effective and engaging learning experiences across the curriculum. Mathematics and Technology A C.I.E.A.E.M. Sourcebook *Springer* This volume collects most recent work on the role of technology in mathematics education. It offers fresh insight and understanding of the many ways in which technological resources can improve the teaching and learning of mathematics. The first section of the volume focuses on the question how a proposed mathematical task in a technological environment can influence the acquisition of knowledge and what elements are important to retain in the design of mathematical tasks in computing environments. The use of white smart boards, platforms as Moodle, tablets and smartphones have transformed the way we communicate both inside and outside the mathematics classroom. Therefore the second section discussed how to make efficient use of these resources in the classroom and beyond. The third section addresses how technology modifies the way information is transmitted and how mathematical education has to take into account the new ways of learning through connected networks as well as new ways of teaching. The last section is on the training of teachers in the digital era.

The editors of this volume have selected papers from the proceedings of the 65th, 66th and 67th CIEAEM conference, and invited the correspondent authors to contribute to this volume by discussing one of the four important topics. The book continues a series of sourcebooks edited by CIEAEM, the Commission Internationale pour l'Étude et l'Amélioration de l'Enseignement des Mathématiques / International Commission for the Study and Improvement of Mathematics Education. Thrive In Your First Three Years in Teaching *Crown House Publishing Ltd* Martha Boyne, Emily Clements and Ben Wright's Thrive: In your first three years in teaching equips trainee secondary school teachers with the know-how to lay the foundations for a successful career in teaching, long after the challenging first few years are over. Martha, Emily and Ben are thriving teachers. In Thrive they share their personal experiences and demonstrate how you too can thrive during the tricky training year, the daunting NQT year and the crucial RQT year. Using their collective insights, and plenty of evidence-informed strategies and advice, they detail how you can get to grips with the classroom basics – from behaviour management and lesson planning to differentiation and providing for SEND – and effectively continue your professional development. This book is not just a survival manual to help teachers get through their first three years in teaching. Nor is it an academic text that has been written by authors who have only a distant memory of what it takes to stand in front of a class of teenagers for the first time. Thrive is something very different. It gives both the aspiring and the newly qualified the support and guidance to become a thriving teacher, and has been co-authored by three recently qualified teachers who in this book invest their passion and practical knowledge to inspire and inform others who want to pursue enjoyable and rewarding careers in teaching. Thrive is divided into three parts – specifically detailing what can be expected in the training year, NQT year and RQT year respectively – with the authors' commentary threaded throughout to demonstrate how the ideas discussed can be successfully put into practice. Their accounts are also complemented by expert advice from two people who are at the very top of their profession, Lianne Allison and Dr Simon Thompson, who provide wider perspectives drawn from a wealth of teaching experience. Forty of the book's forty-six chapters begin with a checklist outlining what a developing teacher is expected to do, and each chapter ends with a to-do list that can be used as a quick reference point to structure the strategies implemented. These to-do lists are also followed by lists of suggested further reading so that readers can delve deeper into topics and fields of research that they find particularly interesting or relevant. Furthermore, the book offers helpful counsel on choosing the best training route as well as an in-depth analysis of the change in priorities for busy teachers as they progress: encouraging constant reflection, outlining potential pathways and emphasising the importance of evidence-based practice and how new teachers can, and should, incorporate this into their teaching. Rooted in practical strategies and innovative ideas, Thrive is the essential guide for

trainee secondary school teachers and teacher trainers. An Introduction to Neural Networks *CRC Press* Though mathematical ideas underpin the study of neural networks, the author presents the fundamentals without the full mathematical apparatus. All aspects of the field are tackled, including artificial neurons as models of their real counterparts; the geometry of network action in pattern space; gradient descent methods, including back-propagation; associative memory and Hopfield nets; and self-organization and feature maps. The traditionally difficult topic of adaptive resonance theory is clarified within a hierarchical description of its operation. The book also includes several real-world examples to provide a concrete focus. This should enhance its appeal to those involved in the design, construction and management of networks in commercial environments and who wish to improve their understanding of network simulator packages. As a comprehensive and highly accessible introduction to one of the most important topics in cognitive and computer science, this volume should interest a wide range of readers, both students and professionals, in cognitive science, psychology, computer science and electrical engineering. Edexcel Chemistry *Letts and Lonsdale* Revise for AS & A2 Biology with confidence! Providing complete study support throughout the two A Level years, this Edexcel Chemistry study guide matches the curriculum content and provides in-depth course coverage. Written by experienced AS and A2 examiners this book includes invaluable advice on how to get the best results in the exams. Providing plenty of exam practice and frequent progress checks and questions to consolidate learning, this AS & A2 Edexcel Chemistry study guide contains invaluable advice and preparation for the exam. Extensive coverage of the Edexcel course: * AS & A2 specification checklists to organise your studies * tick boxes to record your progress and plan your revision * in-depth coverage of core AS & A2 topics Also included in this book: * examiner's tips that reveal how to achieve higher marks * exam board labels that allow students to identify content relevant to their course * topics subdivided into short, manageable sections * highlighted key points and terminology, and examiner's hints to offer guidance * progress check questions to test recall and understanding * sample questions and model answers that reveal what examiners are looking for * exam-style questions and answers that provide crucial exam practice Cambridge Primary Mathematics Stage 1 Teacher's Resource with CD-ROM *Cambridge University Press* This series is endorsed by Cambridge International Examinations and is part of Cambridge Maths. Advanced Problems in Core Mathematics This booklet is intended to help you to prepare for STEP examinations. It should also be useful aspreparation for any undergraduate mathematics course, even if you do not plan to take STEP.The questions are all based on recent STEP questions. I chosethe questions either because they are'nice' - in the sense that you should get a lot of pleasure fromtackling them - or because I felt Ihad something interesting to say about them. In this booklet, I have restricted myself (reluctantly)to the syllabus for Papers I and II, which is the A-level core

(i.e. C1 to C4) with a few additions.This material should be familiar to you if you are taking the International Baccalaureate, ScottishAdvanced Highers or other similar courses. Research on Preparing Inservice Teachers to Work Effectively with Emergent Bilinguals *Emerald Group Publishing* **This volume includes chapters from educators across the U.S. who are preparing inservice teachers to work with emergent bilingual students in classrooms. The Process of Social Research** *Oxford University Press, USA* **The Process of Social Research successfully meets two major challenges of teaching social science methods: to make the material interesting and accessible to students, and to provide them with the tools necessary to understand, evaluate, and conduct research. Authors Jeffrey C. Dixon, Royce A. Singleton, Jr., and Bruce C. Straits employ a conversational writing style that is engaging and student-friendly. Using everyday examples to introduce chapters and clarify complex concepts, they provide current research examples on such cutting-edge topics as immigration, family composition, prosecutorial misconduct, organized racism, homelessness, social inequality and education, and alcohol consumption and grades. Placing a unique emphasis on the research process, the book helps students understand the logic and mechanics of social research, giving them the tools and the power to evaluate the research of others and to conduct their own research. Beginning with the introduction, every chapter contains flowcharts of research processes. As each diagram is presented, the authors relate the specific method to the overall research process. Then, over the course of the chapter or section, they flesh out each step. This way, they convey information about the "nuts and bolts" of research while ensuring that students do not lose sight of the logic of inquiry. Comprehensive and up-to-date without attempting to be encyclopedic in its coverage, The Process of Social Research provides a balance between qualitative and quantitative research, taking a more integrated approach to describing the relationship between theory and research. Exploring the Contexts for Early Learning Challenging the school readiness agenda** *Taylor & Francis* **The concept of 'readiness for school' is attractive to policy-makers, but many academics, researchers and practitioners argue that an early start to formal learning may be misguided. This book introduces readers to an increasing body of evidence which demonstrates that young children need opportunities to learn and develop in environments that support their emotional and cognitive needs, offering opportunities to develop autonomy, competence and self-regulation skills. With advice on implementing research findings in practice, this book provides clear guidance on how to foster and develop these attributes, scaffold steps into new areas of learning and support children in facing new challenges. Chapters cover: Policy and discourses; Taking account of development; Approaches to Early Years Learning; The Diversity of Children's Early Experiences; Transitions and starting school; Where to in the Future? Exploring the Contexts for Early Learning will be essential reading for students, practitioners, policy-makers and all those interested in the**

school readiness agenda. Neutrosophic Set is a Generalization of Intuitionistic Fuzzy Set, Inconsistent Intuitionistic Fuzzy Set (Picture Fuzzy Set, Ternary Fuzzy Set), Pythagorean Fuzzy Set, Spherical Fuzzy Set, and q-Rung Orthopair Fuzzy Set, while Neutrosophication is a Generalization of Regret Theory, Grey System Theory, and Three-Ways Decision (revisited) *Infinite Study* **In this paper, we prove that Neutrosophic Set (NS) is an extension of Intuitionistic Fuzzy Set (IFS) no matter if the sum of neutrosophic components is <1, or >1, or =1. For the case when the sum of components is 1 (as in IFS), after applying the neutrosophic aggregation operators, one gets a different result than applying the intuitionistic fuzzy operators, since the intuitionistic fuzzy operators ignore the indeterminacy, while the neutrosophic aggregation operators take into consideration the indeterminacy at the same level as truth-membership and falsehood-nonmembership are taken. OpenSHMEM and Related Technologies. Enhancing OpenSHMEM for Hybrid Environments Third Workshop, OpenSHMEM 2016, Baltimore, MD, USA, August 2 – 4, 2016, Revised Selected Papers** *Springer* **This book constitutes the proceedings of the Third OpenSHMEM Workshop, held in Baltimore, MD, USA, in August 2016. The 14 full papers and 3 short papers presented were carefully reviewed and selected from 25 submissions. The papers discuss a variety of ideas of extending the OpenSHMEM specification and making it efficient for current and next generation systems. This included active messages, non-blocking APIs, fault tolerance capabitlies, exploring implementation of OpenSHMEM using communication layers such as OFI and UCX and implementing OpenSHMEM for heterogeneous architectures. Social Impact of Research in Psychology** *Frontiers Media SA* **11+ Super Selective Maths 30 Advanced Questions - The 11+ Super Selective MATHS series has been written especially for children who seek 'more than ordinary' mathematical challenges. Filled with questions designed to stimulate thinking rather than simply elicit learned responses, this series provides the challenge that able pupils seek. Selective UK secondary schools are increasingly developing entrance exams that test potential rather than coached learning. As such we do not offer any particular exam format (e.g. CEM Durham, GL Assessment). Instead children's learning will be brought to life by our questions that demand insight and grasp of the fundamental concepts underlying each problem. Our fully worked answers demonstrate different strategies for solving 11+ mathematical challenges. Attractively designed and with ample space inside for pupils to express their working, this series will lead pupils to discover the fun, beauty and elegance of Mathematics! Each book in the 11+ Super Selective MATHS series - Contains 30 stimulating numerical and mathematical reasoning challenges Provides advanced practice material in mathematical thinking at 11+ Includes fully worked answers & explanations Is suitable for use at the very top end of Key Stage 2 and at Key Stage 3 Is suitable for practice for scholarship exams and at 13+" On the Road to High-Quality Early Learning Changing Children's Lives** *Teachers College Press* **"The authors describe and**

analyze how four states--Michigan, West Virginia, Washington, and North Carolina--have built early education systems that positively affect student outcomes, providing a much-needed, richly detailed look at how states can design, fund, and manage exemplary programs"-- Social Media in Politics Case Studies on the Political Power of Social Media *Springer* This volume sets out to analyse the relation between social media and politics by investigating the power of the internet and more specifically social media, in the political and social discourse. The volume collects original research on the use of social media in political campaigns, electoral marketing, riots and social revolutions, presenting a range of case studies from across the world as well as theoretical and methodological contributions. Examples that explore the use of social media in electoral campaigns include, for instance, studies on the use of Face book in the 2012 US presidential campaign and in the 2011 Turkish general elections. The final section of the book debates the usage of Twitter and other Web 2.0 tools in mobilizing people for riots and revolutions, presenting and analysing recent events in Istanbul and Egypt, among others. Bond Pricing and Yield Curve Modeling A Structural Approach Rebonato provides an authoritative, clear, and up-to-date explanation of the cutting-edge innovations in affine modeling for government bonds, and provides readers with the precise tools to develop their own models. This book combines precise theory with up-to-date empirical evidence to build, with the minimum mathematical sophistication required for the task, a critical understanding of what drives the government bond market. Facing Forward Schooling for Learning in Africa *World Bank Publications* While everybody recognizes the development challenges facing Sub-Saharan Africa, few have put together coherent plans that offer real hope for any feasible and general improvement. Facing Forward combines an evidence-based plan that not only recognizes the deep problems but provides specific prescriptions for dealing with the problems. In the simplest version, focus on the skills of the people and do it in a rational and achievable manner. †" Eric Hanushek, Paul and Jean Hanna Senior Fellow, Hoover Institute, Stanford University This book offers a clear perspective on how to improve learning in basic education in Sub-Saharan Africa, based on extremely rigorous and exhaustive analysis of a large volume of data. The authors shine a light on the low levels of learning and on the contributory factors. They have not hesitated to raise difficult issues, such as the need to implement a consistent policy on the language of instruction, which is essential to ensuring the foundations of learning for all children. Using the framework of "From Science to Service Delivery,†? the book urges policy makers to look at the entire chain from policy design, informed by knowledge adapted to the local context, to implementation. Facing Forward: Schooling for Learning in Africa is a unique addition to the literature that is relevant for African policy makers and stakeholders. †" Professor Hassana Alidou, Ambassador of the Republic of Niger to the United States and Canada As the continent gears itself up to provide universal basic education to all its children by 2030, it

has to squarely address the challenge of how to improve learning. Facing Forward helps countries to benchmark themselves against each other and to identify concrete lines of action. It forces policy makers to think "where do I go from here?†? "what do I do differently?†? and to examine the hierarchy of interventions that can boost learning. It rightly urges Ministries of Education to build capacity through learning by doing and continuous adaptation of new knowledge to the local context. Facing Forward will unleash frank conversations about the profound reforms that are required in education policy and service delivery to ensure learning for every child on the continent. †" Dr. Fred Matiang'l, Cabinet Secretary for the Interior and Coordination of National Government, Government of Kenya (former Cabinet Secretary for Education) Facing Forward couldn't have come at a more opportune time as countries in the region, including Mauritius, focus more on learning outcomes rather than simply on inputs and processes in education systems. The book underscores the important point that African countries need not exclusively model themselves on high-performing education systems in the world. Much can as well be learnt from other countries at the same level of development, or lower, by virtue of the challenges they have faced and successfully overcome. This presents opportunities for greater peer-sharing and networking with these countries. Indeed a number of key focus areas are highlighted in the book that demonstrate good practices worthy of being emulated. These cover domains as diverse as enabling factors leading to improved student progression, strengthened teacher capacity, increased budgetary allocation with a focus on quality, as well as improved technical capacity of implementing agencies in the region. †" Hon. (Mrs.) Leela Devi Dookun-Luchoomun, Minister of Education and Human Resources, Tertiary Education and Scientific Research, Republic of Mauritius