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Handbook of Research on Nurturing Industrial Economy for Africa's Development

IGI Global A robust manufacturing sector is a necessity and a sufficient condition for any country's human and economic development as it creates employment and alleviates poverty. During this Fourth Industrial Revolution era, there is an urgent need in Africa to optimally utilize the existing resources to support manufacturing or else risk allowing the continent to fall behind in the industrial economy. Innovative strategies are needed that can unlock Africa's manufacturing potential by exploring key areas that may help Africa mature and launch modernized economies that will benefit the developed world's industrial economy. The Handbook of Research on Nurturing Industrial Economy for Africa's Development examines various innovations necessary for Africa's economic development including drivers of the manufacturing economy such as education, agriculture, human capital, science and technological innovations, language, politics, and business environments. The book explores strategies to increase Africa's economic diversity, complexity, productivity, and ultimately competitiveness, and for the continent to realize its manufacturing/industrial potential. Further, chapters focus on African countries' industrial economies in the African context and facilitating the fulfillment of the Sustainable Development Goals (SDGs) and the African Union's Agenda 2063. This book is a valuable reference tool for government officials, economists, industrialists, practitioners, stakeholders, researchers, academicians, and students interested in the industrial economic development of Africa.

Cracking the code

girls' and women's education in science, technology, engineering and mathematics (STEM)

UNESCO Publishing

Reading in the mobile era

a study of mobile reading in developing countries

UNESCO Millions of people do not read for one reason: they do not have access to text. But mobile phones and cellular networks are transforming a scarce resource into an abundant one. Drawing on the analysis of over 4,000 surveys collected in seven developing countries and corresponding qualitative interviews, this report paints a detailed picture of who reads books and stories on mobile devices and why. The findings illuminate, for the first time, the habits, beliefs and profiles of mobile readers in developing countries. This information points to strategies to expand mobile reading and, by extension, the educational and socio-economic benefits associated with increased reading. Mobile technology can advance literacy and learning in underserved communities around the world. This report shows how.

International Handbook of Urban Education

Springer Science & Business Media The universality of the problematics with urban education, together with the importance of understanding the context of improvement interventions, brings into sharp focus the importance of an undertaking like the International Handbook of Urban Education. An important focus of this book is the interrogation of both the social and political factors that lead to different problem posing and subsequent solutions within each region.

Future of solar photovoltaic

International Renewable Energy Agency (IRENA) This study presents options to fully unlock the world's vast solar PV potential over the period until 2050. It builds on IRENA's global roadmap to scale up renewables and meet climate goals.

Food Wastage Footprint

Impacts on Natural Resources : Summary Report

Food & Agriculture Org "This study provides a worldwide account of the environmental footprint of food wastage along the food supply chain, focusing on impacts on climate, water, land and biodiversity, as well as economic quantification based on producer prices ..."--Introduction.

Cambridge O Level Mathematics Coursebook

Cambridge University Press Cambridge O Level Mathematics is a resource to accompany the revised 4024 syllabus. This coursebook provides a complete course for developing and practising the skills required for the O Level Mathematics qualification. The content has been written to offer a range of tasks that support all aspects of the Cambridge O Level Mathematics syllabus (4024) giving students the confidence to use the mathematical techniques required to solve the range of maths problems required. With detailed explanations of concepts, worked examples and exercises, this coursebook can be used as a classroom text and for self-study.

Ordinary Level Physics

Heinemann Educational Publishers

Mathematics Education and Language Diversity

The 21st ICMI Study

Springer *THIS BOOK WILL SOON BECOME AVAILABLE AS OPEN ACCESS BOOK* This book examines multiple facets of language diversity and mathematics education. It features renowned authors from around the world and explores the learning and teaching of mathematics in contexts that include multilingual classrooms, indigenous education, teacher education, blind and deaf learners, new media and tertiary education. Each chapter draws on research from two or more countries to illustrate important research findings, theoretical developments and practical strategies. This open access book examines multiple facets of language diversity

The Global Innovation Index 2013

The Local Dynamics of Innovation

WIPO The Global Innovation Index ranks the innovation performance of 142 countries and economies around the world, based on 84 indicators. This edition explores the impact of innovation-oriented policies on economic growth and development. High-income and developing countries alike are seeking innovation-driven growth through different strategies. Some countries are successfully improving their innovation capacity, while others still struggle.

What Works in Girls' Education

Evidence for the World's Best Investment

Brookings Institution Press Hard-headed evidence on why the returns from investing in girls are so high that no nation or family can afford not to educate their girls. Gene Sperling, author of the seminal 2004 report published by the Council on Foreign Relations, and Rebecca Winthrop, director of the Center for Universal Education, have written this definitive book on the importance of girls' education. As Malala Yousafzai expresses in her foreword, the idea that any child could be denied an education due to poverty, custom, the law, or terrorist threats is just wrong and unimaginable. More than 1,000 studies have provided evidence that high-quality girls' education around the world leads to wide-ranging returns: Better outcomes in economic areas of growth and incomes Reduced rates of infant and maternal mortality Reduced rates of child marriage Reduced rates of the incidence of HIV/AIDS and malaria Increased agricultural productivity Increased resilience to natural disasters Women's empowerment What Works in Girls' Education is a compelling work for both concerned global citizens, and any academic, expert, nongovernmental organization (NGO) staff member, policymaker, or journalist seeking to dive into the evidence and policies on girls' education.

New General Mathematics for Junior Secondary Schools

Longman This well-established series, the most popular in Nigeria, has been fully revised to reflect recent developments in mathematics education at junior secondary level and the views of the many users of the books. It has especially been revised to fully cover the requirements of the new NERDC Universal Basic Education Curriculum.

World Migration Report 2020

United Nations Since 2000, IOM has been producing world migration reports. The World Migration Report 2020, the tenth in the world migration report series, has been produced to contribute to increased understanding of migration throughout the world. This new edition presents key data and information on migration as well as thematic chapters on highly topical migration issues, and is structured to focus on two key contributions for readers: Part I: key information on migration and migrants (including migration-related statistics); and Part II: balanced, evidence-based analysis of complex and emerging migration issues.

Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

Special Report of the Intergovernmental Panel on Climate Change

Cambridge University Press This Intergovernmental Panel on Climate Change Special Report (IPCC-SREX) explores the challenge of understanding and managing the risks of climate extremes to advance climate change adaptation. Extreme weather and climate events, interacting with exposed and vulnerable human and natural systems, can lead to disasters. Changes in the frequency and severity of the physical events affect disaster risk, but so do the spatially diverse and temporally dynamic patterns of exposure and vulnerability. Some types of extreme weather and climate events have increased in frequency or magnitude, but populations and assets at risk have also increased, with consequences for disaster risk. Opportunities for managing risks of weather- and climate-related disasters exist or can be developed at any scale, local to international. Prepared following strict IPCC procedures, SREX is an invaluable assessment for anyone interested in climate extremes, environmental disasters and adaptation to climate change, including policymakers, the private sector and academic researchers.

Equity and Quality in Education Supporting Disadvantaged Students and Schools

Supporting Disadvantaged Students and Schools

OECD Publishing Across OECD countries, almost one in every five students does not reach a basic minimum level of skills. This book presents a series of policy recommendations for education systems to help all children succeed.

The Last Queen

Hachette UK Married at sixteen. A queen at twenty-five. Declared insane and locked up by the men she adored. Juana 'la Loca' - the last true queen of Spain. Juana - daughter of Ferdinand and Isabella and sister to Catherine of Aragon - is a woman ruled by her passions. Her arranged marriage to Philip the Fair of Flanders begins as a fairytale romance when, despite never having met before their betrothal, they fall desperately in love. She was never meant to be more than his consort and mother to his heirs; but, after tragedy decimates her family, she finds herself heiress to the throne of Spain. Suddenly Juana is plunged into a ruthless battle of ambition and treachery, with the future of Spain and her own freedom at stake. Told in Juana's voice, THE LAST QUEEN is the enthralling and moving tale of a woman ahead of her time, who fought fiercely for her birthright in the face of an unimaginable betrayal. Juana's story is one of history's darkest secrets, brought vividly to life in this exhilarating novel.

Study and Master Mathematical Literacy Grade 12 CAPS Learner's Book

Free Culture

Lulu Press, Inc Lawrence Lessig, "the most important thinker on intellectual property in the Internet era", masterfully argues that never before in human history has the power to control creative progress been so concentrated in the hands of the powerful few, the so-called Big Media. Never before have the cultural powers- that-be been able to exert such control over what we can and can't do with the culture around us. Our society defends free markets and free speech; why then does it permit such top-down control? To lose our long tradition of free culture, Lawrence Lessig shows us, is to lose our freedom to create, our freedom to build, and, ultimately, our freedom to imagine.

Bringing the Froebel Approach to your Early Years Practice

Routledge Have you ever wondered about the origins of the kindergarten and the influence of Froebel on early years practice? What did Froebel mean by a garden for children? Why did he believe that play is central in young children's learning? Bringing the Froebel Approach to your Early Years Practice looks at the founder of the kindergarten and his profound influence on provision and practice for young children today. The Froebelian approach is not a method but includes distinctive principles which shape and guide practice. This new edition has been fully updated in line with the revised EYFS and includes: extra material on using the approach with children of different ages and the role of the adult a discussion of key Froebelian principles such as play, imagination, creativity, learning through self-activity and making connections an examination of block play and how this can be developed in contemporary settings Froebel's ideas on nature and outdoor play and why these are fundamental to young children's learning how Froebel used movement, song, rhythm and rhyme to provide key learning experiences With examples of innovative practice and ideas for reflection, this convenient guide will help practitioners and students fully understand what the Froebel approach can offer their setting and children.

Edexcel Linear

HarperCollins UK Collins New GCSE Maths Edexcel Linear Teacher's Pack Higher 1 contains everything you need to deliver effective lessons in mathematics with confidence for students working at Grades D to A*. Fully matched to Edexcel's new GCSE Maths Linear specification, these teacher resources offer well-differentiated lesson plans and additional support. The Teacher's Pack allows you to: * Capture the essence of chapters at a glance with chapter overviews * Easily access learning objectives and references to exam board specifications, KS4 Programme of Study, Functional Skills Standards and Personal Learning and Thinking Skills (PLTS) for each chapter * Link maths concepts and help students to access functional and problem-solving scenarios * Raise standards by providing the right level of progression for every student by using the well-differentiated lesson plans * Involve the whole class in engaging activities and discussions using the Starter * Lead students into the main concepts and exercises with the Main Lesson Activity * Consolidate and summarise learning using the Plenary * Quickly access the answers to all questions in the corresponding Student Book and Homework Book * Plan ahead and save time using the ready-made Scheme of Work * Customise your lessons using Lesson Plans in Word format on the CD-Rom

Statistics: the Art and Science of Learning from Data

This package includes a physical copy of Statistics: The Art and Science of Learning from Data by Alan Agresti and Christine Franklin, as well as access to the eText and MyMathLab. Statistics: The Art and Science of Learning from Data, Third Edition, helps you become statistically literate by encouraging you to ask and answer interesting statistical questions. This book takes the ideas that have turned statistics into a central science in modern life and makes them accessible. The Third Edition has been edited for conciseness and clarity to keep you focused on the main concepts. The data-rich examples that feature intriguing human-interest topics now include topic labels to indicate which statistical topic is being applied.

PISA 2018 Results (Volume I) What Students Know and Can Do

What Students Know and Can Do

OECD Publishing This is one of six volumes that present the results of the PISA 2018 survey, the seventh round of the triennial assessment. Volume I, What Students Know and Can Do, provides a detailed examination of student performance in reading, mathematics and science, and describes how performance has changed since previous PISA assessments.

Déchiffrer le code

l'éducation des filles et des femmes aux sciences, technologie, ingénierie et mathématiques (STEM)

UNESCO Publishing

A Concise Course in Advanced Level Statistics

With Worked Examples

Nelson Thornes New in this edition is a 20 page section on the use of ICT resources in teaching and learning about statistics. The book also includes over 300 worked examples and advice on how to break down calculations into easy stages.

Klara and the Sun

Lulu Press, Inc From her place in the store, Klara, an Artificial Friend with outstanding observational qualities, watches carefully the behaviour of those who come in to browse, and of those who pass in the street outside. She remains hopeful a customer will soon choose her, but when the possibility emerges that her circumstances may change for ever, Klara is warned not to invest too much in the promises of humans. In 'Klara and the Sun', Kazuo Ishiguro looks at our rapidly-changing modern world through the eyes of an unforgettable narrator to explore a fundamental question: what does it mean to love?

The History and Future of the World Trade Organization

The History and Future of the World Trade Organization is a comprehensive account of the economic, political and legal issues surrounding the creation of the WTO and its evolution. Fully illustrated with colour and black-and-white photos dating back to the early days of trade negotiations, the publication reviews the WTO's achievements as well as the challenges faced by the organisation, and identifies the key questions that WTO members need to address in the future. The book describes the intellectual roots of the trading system, membership of the WTO and the growth of the Geneva trade community, trade negotiations and the development of coalitions among the membership, and the WTO's relations with other international organisations and civil society. Also covered are the organisation's robust dispute settlement rules, the launch and evolution of the Doha Round, the rise of regional trade agreements, and the leadership and management of the WTO.

How Asia Works

Success and Failure in the World's Most Dynamic Region

Profile Books Until the catastrophic economic crisis of the late 1990s, East Asia was perceived as a monolithic success story. But heady economic growth rates masked the most divided continent in the world - one half the most extraordinary developmental success story ever seen, the other half a paper tiger. Joe Studwell explores how policies ridiculed by economists created titans in Japan, Korea and Taiwan, and are now behind the rise of China, while the best advice the West could offer sold its allies in South-East Asia down the economic river. The first book to offer an Asia-wide deconstruction of success and failure in economic development, Studwell's latest work is provocative and iconoclastic - and sobering reading for most of the world's developing countries. How Asia Works is a must-read book that packs powerful insights about the world's most misunderstood continent.

Dissertation Research and Writing for Construction Students

Routledge Aimed specifically at students on BSc and taught Masters programmes who are embarking on research for the first time, this book is clear with explanatory text supported by numerous examples illustrating good practice.

Rethinking the Mathematics Curriculum

Routledge At a time when political interest in mathematics education is at its highest, this book demonstrates that the issues are far from straightforward. A wide range of international contributors address such questions as: What is mathematics, and what is it for? What skills does mathematics education need to provide as technology advances? What are the implications for teacher education? What can we learn from past attempts to change the mathematics curriculum? Rethinking the Mathematics Curriculum offers stimulating discussions, showing much is to be learnt from the differences in culture, national expectations, and political restraints revealed in the book. This accessible book will be of particular interest to policy makers, curriculum developers, educators, researchers and employers as well as the general reader.

History of Mathematics Teaching and Learning

Achievements, Problems, Prospects

Springer This work examines the main directions of research conducted on the history of mathematics education. It devotes substantial attention to research methodologies and the connections between this field and other scholarly fields. The results of a survey about academic literature on this subject are accompanied by a discussion of what has yet to be done and problems that remain unsolved. The main topics you will find in "ICME-13 Topical Survey" include: • Discussions of methodological issues in the history of mathematics education and of the relation between this field and other scholarly fields. • The history of the formation and transformation of curricula and textbooks as a reflection of trends in social-economic, cultural and scientific-technological development. • The influence of politics, ideology and economics on the development of mathematics education, from a historical perspective. • The history of the preeminent mathematics education organizations and the work of leading figures in mathematics education. • Mathematics education practices and tools and the preparation of mathematics teachers, from a historical perspective.

WJEC Eduqas GCSE (9-1) Religious Studies

Hodder Education Bring out the best in every student, enabling them to develop in-depth subject knowledge with this accessible and engaging Student's Book, created for the 2016 specification by a team of subject specialists and the leading Religious Studies publisher. - Helps students of all abilities fulfil their potential and increase their understanding through clear, detailed explanations of the key content and concepts - Motivates students to build and cement their knowledge and skills using a range of imaginative, innovative activities that support learning and revision - Provides a variety of quotes from sources of authority that students can draw on to enhance their responses and extend their learning - Encourages students to make links between the world religions and philosophical and ethical issues so they develop a holistic view of religion in modern Britain - Prepares students for examination with a rich bank of exam-style questions, guidance on how to improve responses and student-friendly assessment criteria - Enables you to teach unfamiliar topics and systematic studies confidently with clear explanations of Christian, Catholic Christian, Islamic and Judaic beliefs and practices, verified by faith organisations WJEC Eduqas GCSE RS Component 1: Religious, philosophical and ethical studies in the Modern World 1 Issues of Relationship 2 Issues of Life and Death 3 Issues of Good and Evil 4 Issues of Human Rights Component 2: 5 Beliefs and teachings 6 Christianity: Practices Component 3: Study of a World Faith - Islam 7 Islam: Beliefs and teachings 8 Islam: Practices Component 3: Study of a World Faith - Judaism 9 Judaism: Beliefs and teachings 10 Judaism: Practices

When Money Destroys Nations

Penguin UK Since the financial crisis of 2008, the major governments of the world have resorted to printing large amounts of money to pay national debts and bail out banks. The warning signs are clear, and the collapse of the Zimbabwean dollar after years of rampant money printing is a frightening example of what lies in store for world economies if painful reform is not executed. When Money Destroys Nations tells the gripping story of the disintegration of the once-thriving Zimbabwean economy and how ordinary people survived in turbulent circumstances. Analysing this case within a global

context, Philip Haslam and Russell Lamberti investigate the causes of hyperinflation and draw ominous parallels between Zimbabwe and the world's developed economies. The looming currency crises and hyperinflation in these major economies, particularly the United States, have the potential to turn the current world order upside down. This story of how money destroys nations holds lessons that cannot be ignored.

Modular Mathematics

Heinemann Secondary The best preparation for the two-tier modular specification and additional support for the 2007 specification (2381) With ten year's experience of publishing for Edexcel Mathematics and as a preferred partner of Edexcel, we can offer the best option for the 2006 two-tier modular specification. * Free booklet containing new examination practice papers and answers for the new Unit 2 exam papers: Stage 1 and 2. * Building on the success of our existing modular series, we can offer teachers outstanding new resources for the 2006 two-tier specification that are completely different and up-to-date. * Separate tiered Student Books for units 1, 2 and 3 are fully blended with Teaching and Learning Software enabling teacher to deliver interactive lessons. * Each Student Book is delivered in colour giving clarity to different concepts through artwork and diagrams. * Concentrated examples, practice exercises and examiners tips ensure students are fully prepared for their exams. * An experienced author team, including Senior Examiners, means teachers can trust that the new specification is covered to ensure exam success.

Education and Training Policy No More Failures Ten Steps to Equity in Education

Ten Steps to Equity in Education

OECD Publishing No More Failures challenges the assumption that there will always be failures and dropouts, those who can't or won't make it in school. It provides ten concrete policy measures for reducing school failure and dropout rates.

The Mathematical Sciences in 2025

National Academies Press The mathematical sciences are part of nearly all aspects of everyday life--the discipline has underpinned such beneficial modern capabilities as Internet search, medical imaging, computer animation, numerical weather predictions, and all types of digital communications. The Mathematical Sciences in 2025 examines the current state of the mathematical sciences and explores the changes needed for the discipline to be in a strong position and able to maximize its contribution to the nation in 2025. It finds the vitality of the discipline excellent and that it contributes in expanding ways to most areas of science and engineering, as well as to the nation as a whole, and recommends that training for future generations of mathematical scientists should be re-assessed in light of the increasingly cross-disciplinary nature of the mathematical sciences. In addition, because of the valuable interplay between ideas and people from all parts of the mathematical sciences, the report emphasizes that universities and the government need to continue to invest in the full spectrum of the mathematical sciences in order for the whole enterprise to continue to flourish long-term.

OECD Reviews of Evaluation and Assessment in Education Synergies for Better Learning An International Perspective on Evaluation and Assessment

An International Perspective on Evaluation and Assessment

OECD Publishing This report provides an international comparative analysis and policy advice to countries on how evaluation and assessment arrangements can be embedded within a consistent framework to improve the quality, equity and efficiency of school education.

World Health Statistics 2018

Monitoring Health for the SDGs, Sustainable Development Goals

World Health Organization The World Health Statistics series is WHO's annual compilation of health statistics for its 194 member states. World health statistics 2018 focuses on the health and health-related Sustainable Development Goals (SDGs) and associated targets by bringing together data on a wide range of health-related SDG indicators. It also links to the three SDG-aligned strategic priorities of the WHO's 13th General Programme of Work, 2019-2023. World health statistics 2018 is organised into three parts. First, in order to improve understanding and interpretation of the data presented, Part 1 outlines the different types of data used and provides an overview of their compilation, processing and analysis. The resulting statistics are then publicised by WHO through its flagship products such as the World Health Statistics series. In Part 2, summaries are provided of the current status of selected health-related SDG indicators at global and regional levels, based on data available as of early 2018. In Part 3, each of these three strategic priorities of achieving universal health coverage (UHC), addressing health emergencies and promoting healthier populations are illustrated through the use of highlight stories. In Annexes A and B, country-level statistics are presented for selected health-related SDG indicators. Annex B presents statistics at WHO regional and global levels.

Sdg 6 Synthesis Report 2018 on Water and Sanitation

Every year at the High-level Political Forum, an annual theme helps an increased focus along with an in-depth review of a selection of Sustainable Development Goals (SDGs). In 2018, SDG 6 on water and sanitation is one of the goals to be reviewed. To provide input to Member States on this goal, UN-Water has produced the SDG 6 Synthesis Report 2018 on Water and Sanitation. This represents a joint position from the UN family on the global status on SDG 6 and other water-related targets. The report also explores the linkages within SDG 6 targets and the interlinkages between SDG 6 and the other targets and indicators. The report builds on the baseline data on SDG 6 global indicators coming from JMP, GEMI and GLAAS.

Textile Technology and Design

Textile as a material of daily use has been there for ages now and as an industry, it is one of the promising industries. Textile Industry will always be there as clothes are one of the basic human necessities. For making textile, there is always the need of textile designers who design the textiles. Textile design is basically the process of creating designs for knitted, woven or printed fabrics. Fabrics can be made by weaving and knitting and can be given basic decoration through printing. Textile designing is a technical process including different methods for production of textile. It includes both- surface design and structural design of a textile. Textile designer must have knowledge of yarn making, weaving, knitting, dyeing, finishing processes, and also knowledge about different types of looms, knitting machines, and printing processes. The designer's deep understanding of the technical aspects of production and the properties of fibers, yarns, and textile dyes help him in visualizing the end product. Textile Technology and Design describes the strategies and technologies that have propelled the forefront of apparel textile innovation. The concept of the textile technologies is intricately related to both, the manufacture and decoration. It addresses the critical role of the interior at the intersection of design and technology, with a range of interdisciplinary arguments by a wide range of contributors: from design practitioners to researchers and scholars.

Daily Language Review Grade 5

Evan Moor Educational Publishers This book includes Monday to Friday lessons for each day of a 36-week school year and short daily lessons. The Monday to Thursday lessons include two sentences to edit, including corrections in punctuation, capitalization, spelling, grammar, and vocabulary and three items practicing a variety of language and reading skills. Friday practice cycles through five formats: language usage, identifying and correcting mistakes, combining sentences, choosing reference materials and figurative speech (similes, metaphors). The pages are reproducible and the book includes a skills list and answer keys.