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"This lecture series is devoted to major aspects of aerofoil design both for aeronautical and turbomachine application. These include: (1) optimisation of target pressure and velocity distribution. Both direct optimisation resulting from an inverse boundary layer calculation and an iterative optimisation of the losses are presented. (2) aerofoil design by means of inverse methods. This ranges from simple parametric definitions of two-dimensional cross sections to a detailed numerical definition of three dimensional shapes. blade or airfoil designs are normally made in two steps, and the lectures are accordingly grouped into two parts. First, optimisation of target pressure and velocity distributions are discussed taking into account the required performance and the lost mechanisms in the boundary layer. Both direct optimisation resulting from an inverse boundary layer calculation, and an iterative optimisation by minimisation of the losses are presented. It is clear from both procedures that inclusion of off-design operation is one of the greatest difficulties involved in blade or airfoil operation. The second part gives an overview of the numerous inverse blade design methods that have been developed both for turbomachinery and aeronautical applications. This ranges from simple parameter definitions of two-dimensional cross-sections to the full three-dimensional definition of wings and blade channels."--DTIC.

The aim of the symposium on which this text is based was to discuss the current practices of the fish-farming industry and search for sustainable directions for future development. Topics covered include: resources for fish food in aquaculture; genetics; and environment and aquaculture interaction.

Published in the year 1971, The History of Education in Ghana is a valuable contribution to the field of History.

The book brings together diverse views from around the world and provides a comprehensive overview of the subject, beginning with different definitions of academic integrity through how to create the ethical academy. At the same time, the Handbook does not shy away from some of the vigorous debates in the field such as the causes of academic integrity breaches. There has been an explosion of interest in academic integrity in the last 10-20 years. New technologies that have made it easier than ever for students to 'cut and paste', coupled with global media scandals of high profile researchers behaving badly, have resulted in the perception that plagiarism is 'on the rise'. This, in combination with the massification and commercialisation of higher education, has resulted in a burgeoning interest in the importance of academic integrity, how to safeguard it, and how to address breaches appropriately. What may have seemed like a relatively easy topic to address – students copying sources without attribution – has in fact, turned out to be a very complex, interdisciplinary field of research requiring contributions from linguists, psychologists, social scientists, anthropologists, teaching and learning specialists, mathematicians, accountants, medical doctors, lawyers and philosophers, to name just a few. Despite or perhaps because of this broad interest and input, there has been no single authoritative reference work which brings together the vast, growing, interdisciplinary and at times contradictory body of literature. For both established researchers/practitioners and those new to the field, this Handbook provides a one-stop-shop as well as a launching pad for new explorations and discussions.?

An understanding the political economy of Nigeria is needed to reveal the root causes of its many ethnic, religious, economic, and political problems and to address them for the long term. The pressures now weighing on Nigeria could literally fracture the state along deep fault lines if rampant corruption and partisanship continues. As mutually important partners for both of our interests in Africa, the United States should assist in specific but indirect ways to help Nigerians overcome their political economic problems. Within such assistance, the role of the U.S. military is particularly delicate but needed through focused aid to specific programs and sharing of expertise, all best managed through employing units that are regionally aligned to Nigeria or West Africa.

We identify current challenges for creating stable, yet efficient financial systems using lessons from recent and past crises. Reforms need to start from three tenets: adopting a system-wide perspective explicitly aimed at addressing market failures; understanding and incorporating into regulations agents' incentives so as to align them better with societies' goals; and acknowledging that risks of crises will always remain, in part due to (unknown) unknowns – be they tipping points, fault lines, or spillovers. Corresponding to these three tenets, specific areas for further reforms are identified. Policy makers need to resist, however, fine-tuning regulations: a "do not harm" approach is often preferable. And as risks will remain, crisis management needs to be made an integral part of system design, not relegated to improvisation after the fact.

Textbooks play a key role in enhancing the quality of learning, especially in the context of low-income Sub-Saharan African (SSA) countries characterized by large class-size, poorly motivated and inadequately trained teachers, and short effective school years. There are also high rates of illiteracy among parents and few reading materials at home for the student to bank on. Despite extensive investments by governments, the World Bank and other development partners, the majority of students in primary and secondary schools in SSA still lack the benefit of access to textbooks and the key reason for this shortage is affordability: textbooks are generally much more costly in SSA than in other developing regions. The need to increase access to key learning resources is of particular urgency because most African countries experience low learning outcomes which in part contributes to a high drop-out rate. Only two-thirds of those who enter school reach the final grade and only about half of these master basic numeracy and literacy skills. And although quality improvement depends on many factors inside and outside the school, there is wide agreement that availability of textbooks is both an indispensable and a cost-effective way of improving the quality of the learning process. A recent World Bank study examined the actual costs of textbooks, the scope for cost reduction, the portion of a national budget countries allocate to teaching and learning materials (TLMs) and hurdles in the way of making textbooks available to student. Some interesting findings from the study - - The availability of affordable textbooks to all students could be dramatically improved by devoting an estimated 3 to 4 percent of the primary education budget and 6 to 7 percent of the secondary education budget - The production process †“ methods, copyright, length of print runs, effective procurement practices †“ rather than the production costs should be the target of cost saving strategies - The increased integration of ICTs into education in SSA can provide important opportunities for promoting availability of electronic TLMs but electronic TLMs are not a substitute for printed TLMs including textbooks

WAEC in Review is a practical intervention strategy in transforming the weakening educational system of Liberia where academic excellence is unceasingly diminishing. LIPACE Pilot Study

Guide is not only a landmark achievement in the educational history of Liberia but a remarkable strive towards the proper preparation of Liberian students for future diets of the WAEC exam. As a member of the National Committee of the West African Examinations Council and a Stakeholder in the Liberian Education System, I wish to recommend the use of this study guide to adequately prepare each and every Liberian student for future examinations thereby setting the stage for an easy transition to the emerging West African Senior Secondary Examinations (WASSCE). I am explicitly confident that you will definitely find your journey through this guide very rewarding as you prepare to sit the next WAEC Exam.—David S. Massaquoi, Sr., director of Education, The Salvation Army—Liberia Command Education Secretariat Our students sit the exam in constant fear of proctors and supervisors. They know nothing about the exam and its structure and this fear lead to them failing massively. We need to build the confidence level of our students and help them to study hard and understand the roles of proctors and supervisors to stop the intimidation during the exam. Thanks to LIPACE and the “Turning the Tide” project, we have helped our students achieved an amazing achievement for the first time in the history of Gbarpolu County where all senior students successfully passed the exam.—Lartey Bemah, principal of Bopolu Public School (2012-2013), Gbarpolu County, Liberia

Our A level Mathematics Pure Year 2 Practice Book is a brand-new addition to the market leading and most-trusted resources for Pearson Edexcel AS and A level Mathematics, to help you get exam-ready. Coverage: The practice workbooks cover all Pure, Statistics and Mechanics topics, reflecting the style of questions seen in the summer 2018 exams. Quantity: The most A level question practice available, with over 2000 extra questions per book. Practice at the right pace: Start with the essentials, build your skills with various practice questions to make connections between topics, then apply this to exam-style questions at the end of each chapter. Get exam-ready with confidence: Differentiated questions including 'Bronze, Silver, Gold' in each chapter, and a mixed problem-solving section for each book, will guide and help you to develop the skills you need for your exams. Designed to be used flexibly, the practice books are fully mapped to the scheme of work and textbooks so you can use them seamlessly in and out of the classroom and all year round. Use them lesson by lesson, topic by topic, for homework, revision and more - the choice is yours. Great value practice materials that are cheaper than photocopying, saves more time than independently sourcing questions and answers, and are all in one place.

This two-volume encyclopedia looks at the lives of teenagers around the world, examining topics from a typical school day to major issues that teens face today, including bullying, violence, sexuality, and social and financial pressures.

- Gives readers a glimpse into a typical day in the life of a teen in countries around the world, from wake up time to classes to after school activities
- Focuses on interesting facts and anecdotal information
- Allows students to make cross-national comparisons of topics such as literacy, education, rights, internet use, and other key issues
- Shows a complex picture of new family forms, new gender roles, and declining religious belief with the strong persistence of conservative values

The GED® test is your chance to get the job or career you want. The GED® test credential is the only high school equivalency credential recognized in all 50 states. This is your ticket to a great job and life. This is a comprehensive test with about 150+ power packed questions that covers the entire spectrum of Math topics covered at the test. Each of these questions is answered in the book and we have provided explanation of the answers as well which will help students This is a great practice book. Don't take the test without reviewing the questions in this book!

... Provides a medium term assessment of future trends and prospects in the major agricultural commodity markets of the OECD countries. It highlights current and emerging policy issues of particular importance for markets and trade--Foreword.

Develop your grade 7 students sentence editing, punctuation, grammar, vocabulary, word study, and reference skills using 180 focused 10- to 15-minute daily activities.

Environmental Science Class XII

It's labeled "natural," "grass-fed," or "free-roaming;" yet it might be anything but. It's time to find out what you're actually eating... When your groceries are labeled “low-fat,” “sugar-free,” and even “natural” and “antibiotic-free,” it's easy to assume that you're making healthy choices. Yet even some of those seemingly wholesome offerings contain chemical preservatives, pesticides, and artificial flavors and coloring that negatively affect your health. In *What the Fork Are You Eating?*, a practical guide written by certified chef and nutritionist Stefanie Sacks, MS, CNS, CDN, we learn exactly what the most offensive ingredients in our food are and how we can remove (or at least minimize) them in our diets. Sacks gives us an aisle-by-aisle rundown of how to shop for healthier items and create simple, nutritious, and delicious meals, including fifty original recipes.

Homesick in Paradise is a wonderfully written novel that you can't read once and drop but read it time and time again. The lead story has a personal emotional touch that draws you so close to empathizing with an eleven year old character, Enemona, who couldn't bear the heat of his mother's death, decides to break barrier in order to have a spiritual verbal communion with the dead mother. Would the dead mother respond in a mysterious way? The author similarly weaved the childhood memories of a child in a boarding secondary school with its fun and fabulous fury. It espouses the split personality of a nearly indoctrinated child in Christendom, with the conflict of participating in the rich culture of his African traditional festivals. It is an impressive narration laced with tragic stories but also harmonized with great hilarious stories that are didactic and perhaps ribs cracking.

Adaptive Systems in Control and Signal Processing 1983 is a compendium of papers presented at the International Federation of Automatic Control in San Francisco on June 20-22, 1983. One paper addresses the results through comparative alternative algorithms in adaptive control of linear time invariant and time varying systems. Another paper presents a method in computer simulation of a wide range of stable plants to achieve an alternative approach in designing an adaptive control system. The book also compares the stability and the sensitivity approach involving the design of model-reference adaptive systems. The authors involved explain that the sensitivity concept determines the "dynamic speed of adaptation," while the stability concept focuses on finding a linear compensator for any deviant signal. One paper proposes an indirect adaptive control algorithm for MIMO square full rank minimum phase systems, while another paper discusses the application of the discrete time multivariable adaptive control system, to non-minimum phase plants with an unknown dead time. This book can prove valuable to engineers and researchers of electrical, computer, and mechanical engineering. It can also be helpful for technicians and students dealing with automatic control and telecontrol.

"Adah, a woman from the Ibo tribe, moves to England to live with her Nigerian student husband. She soon discovers that life for a young Nigerian woman living in London in the 1960s is grim. Rejected by British society and thwarted by her husband, who expects her to be subservient to him, she is forced to face up to life as a second-class citizen."--Back cover.

This clearly written, class-tested manual has long given students hands-on experience covering all the essential topics in general chemistry. Stand alone experiments provide all

the background introduction necessary to work with any general chemistry text. This revised edition offers new experiments and expanded information on applications to real world situations.

The adulteration and fraudulent manufacture of medicines is an old problem, vastly aggravated by modern manufacturing and trade. In the last decade, impotent antimicrobial drugs have compromised the treatment of many deadly diseases in poor countries. More recently, negligent production at a Massachusetts compounding pharmacy sickened hundreds of Americans. While the national drugs regulatory authority (hereafter, the regulatory authority) is responsible for the safety of a country's drug supply, no single country can entirely guarantee this today. The once common use of the term counterfeit to describe any drug that is not what it claims to be is at the heart of the argument. In a narrow, legal sense a counterfeit drug is one that infringes on a registered trademark. The lay meaning is much broader, including any drug made with intentional deceit. Some generic drug companies and civil society groups object to calling bad medicines counterfeit, seeing it as the deliberate conflation of public health and intellectual property concerns. Countering the Problem of Falsified and Substandard Drugs accepts the narrow meaning of counterfeit, and, because the nuances of trademark infringement must be dealt with by courts, case by case, the report does not discuss the problem of counterfeit medicines.

Educational Assessment in a Time of Reform provides background information on large-scale examination systems more generally and the South African examination specifically. It traces the reforms in the education system of South Africa since 1994 and provides a description of the advances in modern test theory that could be considered for future standard setting endeavours. At the heart of the book is the debate on whether the current standard of education in Africa is good enough. If not, then how can it be improved? The aim of this book is to provide a point of departure for discussions on standard-setting, quality assurance, equating of examinations and assessment approaches. From this point of departure recommendations for practices in general and the exit-level (Grade 12) examination results in particular can be made. This book is ideal reading for principals, teachers, academics and researchers in the fields of educational assessment, measurement, and evaluation.

Graphic Showbiz Issue 608 January 28-February 3 2010 Graphic Communications Group Junior Graphic Issue 691 June 4-10, 2014 Graphic Communications Group Expo '77 University Press Llc Graphic Sports Issue 670 June 12 - 15 1998 Graphic Communications Group The Battle of the Fields Rural Community and Authority in Britain During the Second World War Boydell & Brewer Ltd

"This book comprises a wide range of scholarly essays introducing readers to key topics and issues in science education. Science education has become a well established field in its own right, with a vast literature, and many active areas of scholarship. Science Education: An International Course Companion offers an entry point for students seeking a sound but introductory understanding of the key perspectives and areas of thinking in science education. Each account is self-contained and offers a scholarly and research-informed introduction to a particular topic, theme, or perspective, with both citations to key literature and recommendations for more advanced reading. Science Education: An International Course Companion allows readers (such as those preparing for school science teaching, or seeking more advanced specialist qualifications) to obtain a broad familiarity with key issues across the field as well as guiding wider reading about particular topics of interest. The book therefore acts as a reader to support learning across courses in science education internationally. The broad coverage of topics is such that that the book will support students following a diverse range of courses and qualifications. The comprehensive nature of the book will allow course leaders and departments to nominate the book as the key reader to support students – their core 'course companion' in science education."

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

This engaging open access book discusses how a values and valuing perspective can facilitate a more effective mathematics pedagogical experience, and allows readers to explore multiple applications of the values perspective across different education systems. It also clearly shows that teaching mathematics involves not only reasoning and feelings, but also students' interactions with their cultural setting and each other. The book brings together the work of world leaders and new thinkers in mathematics educational research to improve the learning and teaching of mathematics. Addressing themes such as discovering hidden cultural values, a multicultural society and methodological issues in the investigation of values in mathematics, it stimulates readers to consider these topics in cross-cultural ways, and offers suggestions for research and classroom practice. It is a valuable resource for scholars of mathematics education, from early childhood through to higher education and an inspiring read for all mathematics teachers.

This book will appeal not only to historians and geographers, but to many who maintain a deep interest in the British countryside and its past, and to those who continue to share a fascination for the Second World War, in particular the 'home front'. It will also demonstrate to all who are anxious about food security in the modern age how this question was dealt with 70 years ago.

"One of the most vital and original novelists of her generation." —Larissa MacFarquhar, The New Yorker From the bestselling author of Americanah and We Should All Be Feminists Fifteen-year-old Kambili and her older brother Jaja lead a privileged life in Enugu, Nigeria. They live in a beautiful house, with a caring family, and attend an exclusive missionary school. They're completely shielded from the troubles of the world. Yet, as Kambili reveals in her tender-voiced account, things are less perfect than they appear. Although her Papa is generous and well respected, he is fanatically religious and tyrannical at

home—a home that is silent and suffocating. As the country begins to fall apart under a military coup, Kambili and Jaja are sent to their aunt, a university professor outside the city, where they discover a life beyond the confines of their father's authority. Books cram the shelves, curry and nutmeg permeate the air, and their cousins' laughter rings throughout the house. When they return home, tensions within the family escalate, and Kambili must find the strength to keep her loved ones together. Purple Hibiscus is an exquisite novel about the emotional turmoil of adolescence, the powerful bonds of family, and the bright promise of freedom.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Relevance for majors and non-majors—accounting concepts explained in a business context. Financial Accounting: A Business Process Approach explains accounting concepts in a way all readers can understand by organizing the material around how a business works. This text's business process approach presents a business topic and then shows the accounting concepts behind it—rather than solely explaining accounting concepts based on the balance sheet order.

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