

## Aki Ola Science 1 3

This is a work in the tradition of Euclidean synthetic geometry written by one of the 20th century's great mathematicians. The text starts where Euclid starts, and covers all the basics of plane Euclidean geometry.

Shows how individuals are affected by, and respond to, economic, social, and political forces at all levels of scale: global, regional and local. It offers an inclusive picture of people in a globalizing world - men, women, children, both mainstream and marginalized citizens - not as seen from a western perspective, but as they see themselves. Core topics of physical, economic, cultural, and political geography are examined from a contemporary perspective, based on authoritative insights from recent geographic theory and examples from countries from around the world.

Associated with both acute kidney injury (AKI) and cardio-renal syndromes (CRS), new biomarkers represent both a popular area of investigation and a new opportunity for advancement of therapy. This book contains the resolutions of the most recent ADQI conferences on biomarkers in AKI (Dublin) and on cardio-renal syndromes (Venice). The first part answers specific questions about new biomarkers and their use and utility in AKI: What are the most suitable candidate molecules and physiologic measures, how solid and evidence based is the discovery phase? How can we incorporate the new biomarkers in the AKI conceptual model describing the evolution from susceptibility to insult, decreased GFR and organ death? Even if we have a positive biomarker pattern and we can identify patients at risk or patients with early or even subclinical AKI, how is this information affecting our clinical behavior and practice? The second part is dedicated to the appraisal of the current knowledge about the pathophysiological mechanisms involved in different forms of CRS: it contains contributions on the state-of-the-art knowledge and practice of CRS, particularly focusing on the pathophysiology of the five subtypes. Acute and chronic mechanisms of damage are explored in depth, with particular attention to the primacy of organ involvement and the subsequent pathways of organ crosstalk. Presenting the most recent research in the field of biomarkers, AKI and CRS, this publication is an important educational tool for advanced investigators and clinical experts, but also for students and fellows.

The importance of seismic wave research lies not only in our ability to understand and predict earthquakes and tsunamis, but it also reveals information on the Earth's composition and features in much the same way as it led to the discovery of Mohorovicic's discontinuity. As our theoretical understanding of the physics behind seismic waves has grown, physical and numerical modeling have greatly advanced and now augment applied seismology for better prediction and engineering practices. This book demonstrates the latest techniques and advances in seismic wave analysis from a theoretical approach, data acquisition and interpretation, to analyses and numerical simulations, as well as research applications. The major topics in this book cover aspects on seismic wave propagation, characteristics of their velocities and attenuation, deformation process of the Earth's medium, seismic source process and tectonic dynamics with relating observations, as well as propagation modeling of seismic waves.

Students learn logic by practicing it by working through problems, analyzing existing arguments, and constructing their own arguments in plain language and symbolic notation. The Art of Reasoning not only introduces the principles of critical thinking and logic in a clear, accessible, and logical manner thus practicing what it preaches but it also provides ample opportunity for students to hone their skills and master course content.

Socio-Cultural Perspectives on Science Education An International Dialogue Springer Science & Business Media

First Aid in English Reader A offers a diverse collection of fiction, non-fiction and poetry

from many different cultures. Texts are drawn from a range of different genres with attractive illustrations to help engage the reader's attention. Arranged thematically, the texts are interspersed with comprehension questions and exercises designed to contribute to the reader's own writing skills. Suitable for use in the whole class or by individuals, pairs and groups.

The authors have correlated many experimental observations and theoretical discussions from the scientific literature on water. Topics covered include the water molecule and forces between water molecules; the thermodynamic properties of steam; the structures of the ices; the thermodynamic, electrical, spectroscopic, and transport properties of the ices and of liquid water; hydrogen bonding in ice and water; and models for liquid water. The main emphasis of the book is on relating the properties of ice and water to their structures. Some background material in physical chemistry has been included in order to ensure that the material is accessible to readers in fields such as biology, biochemistry, and geology, as well as to chemists and physicists.

Vols. for 1964- have guides and journal lists.

Provides an illustrated collection of maps covering the continents and major nations of the world, detailing cities, landmarks, and cultural icons for each.

This brand new course has been written by the Mathematical Association of Ghana to meet all the requirements of the revised (2001) syllabus for primary mathematics.

This book examines the discourses on nation-building, civic identity, minorities, and the formation of religious identities in school textbooks worldwide. It offers up-to-date, practical, and scholarly information on qualitative and mixed-method textbook analysis, as well as the broader context of critical comparative textbook and curriculum analyses in and across selected countries. The volume offers unique and empirical research on how internal educational policies and ideological goals of dominant social, political, and economic groups affect textbook production and the curricular aims in different educational systems worldwide. Chapters address the role of school textbooks in developing nationhood, the creation of citizenship through school textbooks, the complexity of gender in normative discourses, and the intersection of religion and culture in school textbooks.

Using the quantum approach to the subject of atomic physics, this text keeps the mathematics to the minimum needed for a clear and comprehensive understanding of the material. Beginning with an introduction and treatment of atomic structure, the book goes on to deal with quantum mechanics, atomic spectra and the theory of interaction between atoms and radiation. Continuing to more complex atoms and atomic structure in general, the book concludes with a treatment of quantum optics. Appendices deal with Rutherford scattering, calculation of spin-orbit energy, derivation of the Einstein B coefficient, the Pauli Exclusion Principle and the derivation of eigenstates in helium. The book should be of interest to undergraduate physics students at intermediate and advanced level and also to those on materials science and chemistry courses.

In this book, Miguel Basáñez presents a provocative look at the impact of culture on global development. Drawing on data from governments, NGOs, the World Values Survey and more addressing over one hundred countries, he argues that values, as the "building blocks" of culture, are directly related to the speed with which social, cultural and economic development occurs. Basáñez utilizes quantitative survey data to delineate three cultural hyperclusters across the globe: cultures of honor, which

prioritize political authority; cultures of achievement, which emphasize economic advancement; and cultures of joy, which focus on social interactions. According to Basáñez, these cultures evolved chronologically, mirroring the development of agrarian, industrial and service societies. He argues that a country's developmental path is profoundly influenced by its people's values and culture, as crystallized through its formal and informal governing institutions. Culture is passed down over generations through families, schools, the media, religious institutions, leadership, and the law. Although culture and values are in a permanent state of evolution, leaders and policymakers can also push cultural change in order to promote desirable goals such as economic growth, democratization, and equality. Over the course of the book, Basáñez introduces two new measures of development: the Objective Development Index (which blends rubrics such as health, education, income, gender equality, political rights and civil liberties, and economic inequality) and the Subjective Development Index (which uses responses to the World Values Survey to classify countries according to their values).

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

This is an examination of the history and the state of the art of the quest for visualizing scientific knowledge and the dynamics of its development. Through an interdisciplinary perspective this book presents profound visions, pivotal advances, and insightful contributions made by generations of researchers and professionals, which portrays a

holistic view of the underlying principles and mechanisms of the development of science. This updated and extended second edition: highlights the latest advances in mapping scientific frontiers examines the foundations of strategies, principles, and design patterns provides an integrated and holistic account of major developments across disciplinary boundaries “Anyone who tries to follow the exponential growth of the literature on citation analysis and scientometrics knows how difficult it is to keep pace. Chaomei Chen has identified the significant methods and applications in visual graphics and made them clear to the uninitiated. Derek Price would have loved this book which not only pays homage to him but also to the key players in information science and a wide variety of others in the sociology and history of science.” – Eugene Garfield “This is a wide ranging book on information visualization, with a specific focus on science mapping. Science mapping is still in its infancy and many intellectual challenges remain to be investigated and many of which are outlined in the final chapter. In this new edition Chaomei Chen has provided an essential text, useful both as a primer for new entrants and as a comprehensive overview of recent developments for the seasoned practitioner.” – Henry Small Chaomei Chen is a Professor in the College of Information Science and Technology at Drexel University, Philadelphia, USA, and a ChangJiang Scholar at Dalian University of Technology, Dalian, China. He is the Editor-in-Chief of Information Visualization and the author of *Turning Points: The Nature of Creativity* (Springer, 2012) and *Information Visualization: Beyond the Horizon* (Springer, 2004, 2006).

**Number & Letter Tracing Book for Preschoolers** A perfect letter and number tracing workbook for all bright young children for early practice of numbers and letters, counting and writing with numbers from 0-20 in order, separate worksheets for each number and letter! A single book to learn all the numbers from without tears! Pre-writing and pre-reading for smart pre-schoolers and kindergarteners and for those who need extra exercises at home Tracing letters and repetition of each letter improves: handwriting skills basic skills for counting and mathematics proactive exercises the brain recognition of letters and words early phonetics skills Workbook includes all English Alphabet letters in order with uppercase and lowercase letters. Examples and guidelines for understanding how to form first letters. Wide spacing for forming bigger and smaller letters, allowing the child to improve writing of each letter one at a time. Perfect for studying together with an adult and slowly allowing the child to start working independently. Suitable edition for On-the-Go practice with animal pictures that can also be coloured, guaranteed fun for a long time!

There is no consensus in the social and cultural sciences on what theory is, and that is as it should be. A consensus would be outright dangerous for the diversity of intellectual life. The perspectives represented in this volume show that theory can be understood as plot, hope, beholding, doxa, heritage, a stalemate, disappointment, personal matter, or family concept. But, even if theory can be defined in many ways, it cannot be defined in any one way. Beyond disciplinary and epistemological differences, theory has the steadfast characteristic of being what academics work with. More than an epistemological matter, the book's title question is an entry into the dynamics of academic practice. The book consists of a multidisciplinary collection of essays that are tied together by a common effort to tell what theory is. These essays are also paired as dialogues between senior and junior researchers from the same, or allied, disciplines to

add a trans-generational dimension to the book's multidisciplinary approach. What Is Theory? has been designed for upper division and graduate students in the social sciences and the humanities, but it will also be of interest to anyone who has felt that the question of what theory is can be more easily asked than answered. Contents include: Why Ask What Theory Is? \* The History of the Concept of Theory \* History of Ideas at the End of Western Dominance \* Looking at Theory in Theory in Science \* Theory Has No Big Others in Science and Technology Studies \* What Social Science Theory Is and What It Is Not \* Theory as Hope \* Theory Crisis and the Necessity of Theory - The Dilemmas of Sociology \* Theory as Disappointment \* Theory - A Personal Matter \* Theory - A Professional Matter \* Economic Theory - A Critical Realist Perspective \* For Theoretical Pluralism in Economic Theory \* What Is Theory in Political Science? \* For a New Vocabulary of Theory in Political Science \* Theorizing the Earth \* Spatial Theory as an Interdisciplinary Praxis. \*\*\* "This highly original, lively and refreshing book is more than welcome: it is needed....the contributors' insights, passion and diversity fully restore the creative value of theorizing as a way to grasp, understand and more importantly shape the world." - Franck Cochoy, Professor of Sociology, U. of Toulouse

The textbooks covers topics in the WASSCE Core Mathematics syllabus and the core curriculum of other examining bodies. Students preparing for Cambridge IGCE, GCE O Level Mathematics will find the text helpful. The topics are easy to follow with minimum help. Each of the sections offers step-by-step explanation of concepts together with many worked examples and exercises for the student to practise what he has learned and develop his skills. The Try This exercises provide students a way to quickly check their understanding of the skill or concept being presented. Every chapter ends with a test to help students retain mastery of the topics.

"Blue Pelican Java" is a somewhat unusual high school computer science textbook. Most computer science texts will begin with a section on the history of computers followed with a flurry of definitions that are just "so many words" to the average student. The approach here is to first give the student some experience upon which to hang the definitions that come later. The usual practice of introducing classes and objects is deferred until the student has a firm grasp of the fundamentals (loops, decision structures, etc). Thus, the beginning student is not overwhelmed by the simultaneous introduction of OOPs and the fundamentals. The book includes plenty of exercises (many in "contest" form), programming projects, and a huge appendix.

NSA is a comprehensive collection of international nuclear science and technology literature for the period 1948 through 1976, pre-dating the prestigious INIS database, which began in 1970. NSA existed as a printed product (Volumes 1-33) initially, created by DOE's predecessor, the U.S. Atomic Energy Commission (AEC). NSA includes citations to scientific and technical reports from the AEC, the U.S. Energy Research and Development Administration and its contractors, plus other agencies and international organizations, universities, and industrial and research organizations. References to books, conference proceedings, papers, patents, dissertations, engineering drawings, and journal articles from worldwide sources are also included. Abstracts and full text are provided if available.

First published in 1981, Labour Market Economics develops the basic economic theory of introductory courses within the context of labour market analysis and applies it both

to particular features and special problems of the subject. The author begins by outlining the nature of the area and the structure of the UK labour market at the time, and proceeds to explain and elaborate the tools of theoretical analysis. These are then applied in subsequent chapters to a variety of issues, including the economic analysis of trade unions, collective bargaining and the effects of unions, unemployment, wage inflation and the inequality of pay. Throughout the book, emphasis is placed on the economic theory of the labour market and the role of empirical work in testing its predictions, and wherever available, evidence from studies of the UK labour markets is cited.

Biology is where many of science's most exciting and relevant advances are taking place. Yet, many students leave school without having learned basic biology principles, and few are excited enough to continue in the sciences. Why is biology education failing? How can reform be accomplished? This book presents information and expert views from curriculum developers, teachers, and others, offering suggestions about major issues in biology education: what should we teach in biology and how should it be taught? How can we measure results? How should teachers be educated and certified? What obstacles are blocking reform?

The Reader contains educative and exciting chapters centred on the nursing profession and research areas of faculty members in Ghana. The target readers are nursing students of all categories, nurse educators, administrators, clinicians, and researchers locally and internationally.

An irreverent satire set in Ghana, told with serious intent.

With over 50,000 distinct species in sub-Saharan Africa alone, the African continent is endowed with an enormous wealth of plant resources. While more than 25 percent of known species have been used for several centuries in traditional African medicine for the prevention and treatment of diseases, Africa remains a minor player in the global natural products market largely due to lack of practical information. This updated and expanded second edition of the Handbook of African Medicinal Plants provides a comprehensive review of more than 2,000 species of plants employed in indigenous African medicine, with full-color photographs and references from over 1,100 publications. The first part of the book contains a catalog of the plants used as ingredients for the preparation of traditional remedies, including their medicinal uses and the parts of the plant used. This is followed by a pharmacognostical profile of 170 of the major herbs, with a brief description of the diagnostic features of the leaves, flowers, and fruits and monographs with botanical names, common names, synonyms, African names, habitat and distribution, ethnomedicinal uses, chemical constituents, and reported pharmacological activity. The second part of the book provides an introduction to African traditional medicine, outlining African cosmology and beliefs as they relate to healing and the use of herbs, health foods, and medicinal plants. This book presents scientific documentation of the correlation between the observed folk use and demonstrable biological activity, as well as the characterized constituents of the plants.

The purpose of this book is to offer insightful and thought-provoking commentary on global science education. It offers a critical analysis from the perspectives of culture, economics, epistemology, equity, gender, language, and religion in an effort to promote a reflective science education.

The author of *Change Your Brain, Change Your Life* explains how to achieve and maintain optimum mental performance, drawing on cutting-edge neuroscience research to explain how to protect the brain from injury and toxic substances, nourish it with vitamins, give it a mental workout, alleviate stress, and more. Reprint. 30,000 first printing.

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