

Gauteng Department Life Science Paper 1 March 2014

Study & Master Life Sciences Grade 10 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Life Sciences. The comprehensive Learner’s Book includes: * an expanded contents page indicating the CAPS coverage required for each strand * a mind map at the beginning of each module that gives an overview of the contents of that module * activities throughout that help develop learners’ science knowledge and skills as well as Formal Assessment tasks to test their learning * a review at the end of each unit that provides for consolidation of learning * case studies that link science to real-life situations and present balanced views on sensitive issues. * ‘information’ boxes providing interesting additional information and ‘Note’ boxes that bring important information to the learner’s attention

Marking MatricColloquium ProceedingsHSRC Press

“This book is a detailed resource on knowledge management and innovations that has been written and edited to provide flexibility and in-depth knowledge management innovations, strategies, and practices”–Provided by publisher.

Why Africa? an abstract first painted in 1993 and reproduced in collage in 2004, is variously described by his admirers as an emotional revelation. The work depicts the African question problems and prospects including political instability, corruption, and poverty in the midst of rich natural and human resources. Thus, Why Africa? inspired him to write a book on the subject, applying his creativity with a unique perspective on the African case. Bona has written one book (unpublished) titled: The Ancient and Modern (1992) a story on Urualla, his ancestral origin in Nigeria.

Organizational Applications

South African journal of library and information science

Peer Education in South Africa and Its Lessons for the Global Crisis

A Continent in a Dilemma of Unanswered Questions

Contemporary Voices From The Margin

South Africa News Update

Consists of reproductions of articles from South African newspapers.

This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

Vols. for 1967-70 include as a section: Who’s who of Rhodesia, Mauritius, Central and East Africa.

Sustainable development is the most important challenge facing humanity in the 21st century. The global economic growth in the recent past has indeed exhibited marked progress in many countries. Nevertheless, the issues of income disparity, poverty, gender gaps, and malnutrition are not uncommon in the global landscape, in spite of the upward growth of the economy and technological advances. This grim picture is further exacerbated by our growing human population, unmindful resource use, ever-increasing consumption trends, and changing climate. In order to protect humanity and preserve the planet, the United Nations issued the “2030 agenda for sustainable development,” which includes but is not limited to sustainable production and consumption practices, e.g. in a sustainable bioeconomy. The hallmark of the sustainable bioeconomy is a paradigm shift from a fossil-fuel-based economy to a biological-based one, which is driven by the virtues of sustainability, efficient utilization of resources, and “circular economy.” As the sustainable bioeconomy is based on the efficient utilization of biological resources and societal transformations, it holds the immense potential to achieve the UN’s Sustainable Development Goals. This book shares valuable insights into the linkages between the sustainable bioeconomy and Sustainable Development Goals, making it an essential read for policymakers, researchers and students of environmental studies.

Sustainable Bioeconomy

5th International Symposium on High-Temperature Metallurgical Processing

Schooling for Sustainable Development in Africa

Changing the Course of AIDS

The Role of Sound Groundwater Resources Management and Governance to Achieve Water Security

The Changing Space Economy of City-Regions

The aim of this book is to explore the history, fundamentals, manufacturing processes, optimization parameters, and applications of electrospun materials. The book includes various types of electrospun materials such as antimicrobial, smart, bioinspired systems. It focuses on the many application areas for electrospun materials such as energy storage and harvesting, catalysis, biomedical including gene delivery and tissue engineering, separation, adsorption and water treatment technologies, packaging. The book emphasizes the enhanced sustainable properties of electrospun materials, with the challenges and future developments being discussed in detail. The chapters are written by top-class researchers and experts from throughout the world.

The abstracts of the XXX International Congress of Psychology (July 2012, Cape Town) are published as a supplement to Volume 47 of the International Journal of Psychology. The published volume includes the abstracts of the invited addresses, symposia, oral and poster presentations, numbering over 5,000 separate contributions and creating an invaluable overview of the discipline of psychological science around the world today.

This book considers the scope and dynamics of Education for Sustainable Development (ESD) and learning in schools in Africa. It explores the conditions and processes that support such learning, and examines how ESD in schooling can improve the quality and relevance of education. The quality of education has been defined internationally as a key concern for educational institutions around the world, including schools in Africa. The models of quality are often limited to performance-based approaches and/or inclusive approaches. The contributions in this book show that there is more to a discussion on educational quality in Africa than performance success and/or inclusion. The chapters explain how ESD brings a new relevance to education in Africa, and at the same time, sounds the beginning of a new concept of quality education. The volume presents a collection of experiences in creating and supporting quality learning processes through a variety of ESD practices.

The book is a study of intra-urban inequality in quality of life (QOL) in Aizawl city. The main objectives of the study include analysis of processes and patterns of social differentiation along the three-dimensional space of Aizawl city as well as analysis of spatial inequality in QOL at the lowest administrative structure of the city. An investigation into spatial pattern of residential differentiation was done at both horizontal and vertical spaces. Spatial variation in well-being of residents of Aizawl city and the quality of their immediate environment was also studied by taking both objective and subjective indicators. The study employed a number of descriptive, inferential and multivariate statistical techniques including correlation, factor analysis, principal component analysis, cluster analysis and spatial autocorrelation methods like Moran’s I and Local Indicators of Spatial Association (LISA). Mapping techniques and graphical methods like Choropleth map, histogram and line graph were also used. With the help of factor analysis, the social space of Aizawl city was found to be differentiated along socio-economic status, family status, household size status, workers status and ethnic status. The most important factor determining residential differentiation was socio-economic status. Choropleth map of factor scores reveals that the inner city localities were dominated by high socio-economic class while poorer people dominated the peripheries. Non-local ethnic minorities were few but concentrated in some adjoining peripheral localities as well as in inner city localities which have been inhabited by their ancestors since the colonial period. Vertical pattern of residential differentiation was also analyzed by taking income variable as a proxy of socio-economic status. Multi-storey buildings in Aizawl city were co-inhabited by both richer people and poorer people. The richer people were found at the top floors while the poorer people occupied the basement floors. Normally, the owners of the buildings were found at the top floors while the basement floors were dominated by the renters. Spatial variation in QOL was measured with the help of principal component analysis as a weighting technique by taking into consideration the both objective and subjective QOL dimensions. The values of composite QOL index showed that the central localities have scored higher than their peripheral counterparts. Correlation analysis of the relationship between objective indicators and subjective indicators provided a low positive value indicating the absence of relationship between the two dimensions of quality of life. Spatial autocorrelation analysis was also performed to see the pattern of clustering of spatially weighted QOL variables across Local Councils. With the help of Global Moran’s I, spatial clusters and spatial outliers were observed for objective dimension of QOL within the study area. The value of Moran’s I was found to be insignificant for the subjective QOL dimension indicating the absence of significant pattern of clustering. The study also identified 7 social areas of Aizawl city on the basis of factor scores and composite scores of QOL variables calculated for all Local Councils. The identification of clusters was taken out with the help of hierarchical clustering method of cluster analysis. These clusters were labeled appropriate names and their characteristics were described in detail. The thesis concluded with recommendation of designating these social areas as ‘social development planning zones’ for obtaining inclusive development.

Poetry Anthology

A Framework for Implementing the Sustainable Development Goals

Study and Master Life Sciences Grade 11 CAPS Study Guide

Metagovernance for Sustainability

Life Sciences, Grade 12

Who’s who of Southern Africa

Twenty Years of Education Transformation in Gauteng 1994 to 2014: An Independent Review presents a collection of 15 important essays on different aspects of education in Gauteng since the advent of democracy in 1994. These essays talk to what a provincial education department does and how and why it does these things - whether it be about policy, resourcing or implementing projects. Each essay is written by one or more specialist in the relevant focus area. The book is written to be accessible to the general reader as well as being informative and an essential resource for the specialist reader. It sheds light on aspects of how a provincial department operates and why and with what consequences certain decisions have been made in education over the last 20 turbulent years, both nationally and provincially. There has been no attempt to fit the book’s chapters into a particular ideological or educational paradigm, and as a result the reader will find differing views on various aspects of the Gauteng Department of Education’s present and past. We leave the reader to decide to what extent the GDE has fulfilled its educational mandate over the last 20 years.

Changing the Course of AIDS is an in-depth evaluation of a new and exciting way to create the kind of much-needed behavioral change that could affect the course of the global health crisis of HIV/AIDS. This case study from the South African HIV/AIDS epidemic demonstrates that regular workers serving as peer educators can be as—or even more—effective agents of behavioral change than experts who lecture about the facts and so-called appropriate health care behavior. After spending six years researching the response of large South African communities to the epidemic that is decimating their workforce as well as South African communities, David Dickinson describes the promise of this grassroots intervention—workers educating one another in the workplace and community—and the limitations of traditional top-down strategies. Dickinson’s book takes us right into the South African workplace to show how effective and yet enormously complex peer education really is. We see what it means when workers directly tackle the kinds of sexual, gender, religious, ethnic, and broader social and political taboos that make behavior change so difficult, particularly when that behavior involves sex and sexuality. Dickinson’s findings show that people who are not officially health care experts or even health care workers can be skilled and effective educators. In this book we see why peer education has so much to offer societies grappling with the HIV/AIDS epidemic and why those interested in changing behaviors to ameliorate other health problems like obesity, alcoholism, and substance abuse have so much to learn from the South African example.

Study & Master Life Sciences Grade 11 covers all the requirements of the National Curriculum Statement for Life Sciences. Learners’ Book 2 module covers, explaining the outcomes 2 icons, indicating group, paired or individual activities 2 key vocabulary boxes, which assist learners in dealing with new terms 2 activities to solve problems, design solutions, set up tests/controls and record results 2 assessment activities 2 case studies, and projects, which deal with issues related to the real world, and move learners beyond the confines of the classroom Teacher’s Guide 2 An overview of the RNCSS 2 An introduction to outcomes-based education 2 A detailed look at the Learning Outcomes and Assessment Standards for Life Sciences, and how much time to allocate to each during the year 2 Information on managing assessment 2 solutions to all the activities in the Learner’s Book 2 photocopiable assessment sheets

The past ten years in South Africa has seen many changes in education - the creation of a single department of education; common examinations for all learners in public schools in the country, a new outcomes based education curriculum which was introduced to learners in the general education and training phase since 1998 and will be introduced to the further education and training phase from 2006. To evaluate the success of these changes South African researchers still use the indicator of student achievement. The matriculation examination is the visible, high profile and public performance indicator. Every year parents, learners, teachers, researchers, government officials, policymakers, and the general public get involved in the debate around the matric examination with the most frequently asked questions being - Did the pass rate go up? Are standards dropping? Are the results real or have they been manipulated? How is our education system doing? Are we meeting the development goals? What should the matriculation examination of the future look like? Participants from government (national and provincial),

Questions and Replies of the National Assembly

The Gauteng City-Region, South Africa

From Mandela to Mbeki

Socio-Cultural Influences on Teenage Pregnancy and Contemporary Prevention Measures

Wickcraft, Violence, and Democracy in South Africa

Marking Marie

The second edition of the Handbook of Test Development provides graduate students and professionals with an up-to-date, research-oriented guide to the latest developments in the field. Including thirty-two chapters by well-known scholars and practitioners, it is divided into five sections, covering the foundations of test development, content definition, item development, test design and form assembly, and the processes of test administration, documentation, and evaluation. Keenly aware of developments in the field since the publication of the first edition, including changes in technology, the evolution of psychometric theory, and the increased demands for effective tests via educational policy, the editors of this edition include new chapters on assessing noncognitive skills, measuring growth and learning experiences, automated item generation and test assembly, and computerized scoring of constructed responses. The volume also includes expanded coverage of performance testing, validity, fairness, and numerous other topics. Edited by Suzanne Lane, Mark R. Raymond, and Thomas M. Haladyna, The Handbook of Test Development, 2nd edition, is based on the revised Standards for Educational and Psychological Testing, and is appropriate for graduate courses and seminars that deal with test development and usage, professional testing services and credentialing agencies, state and local boards of education, and academic libraries serving these groups.

Teenage pregnancy is a public health concern that is growing more prevalent in both developed and developing countries. Understanding the problems of teenage motherhood and suggesting relevant preventive strategies and interventions can help break the cycle of poverty, poor education, and risky behaviors that can lead to health and child welfare issues. Socio-Cultural Influences on Teenage Pregnancy and Contemporary Prevention Measures is an essential reference source that discusses the causes and factors responsible for early motherhood, as well as the mental and psychological outlooks of teen mothers. Featuring research on topics such as minority populations, family dynamics, and sex education, this book is ideally designed for healthcare students, medical professionals, practitioners, nurses, and counselors seeking coverage on the issues, reasons, and outcomes of teenage pregnancy, as well as preventive strategies to combat teenage motherhood.

This book introduces a variety of treatment technologies, such as physical, chemical, and biological methods for the treatment of gas emissions, wastewater, and solid waste. It provides a useful source of information for engineers and specialists, as well as for undergraduate and postgraduate students, in the areas of environmental science and engineering.

The complexity of 21st century lifestyle makes collaborative research and learning essential for all of the population, both in well-resourced and socio-economically challenged regions. Cross-Disciplinary Approaches to Action Research and Action Learning is an advanced reference source including the latest scholarly research on the examination of the development of a community practice of research in order to improve problem solving in various fields. Featuring extensive coverage on a broad range of topics such as social justice, organizational development, and global economy, this publication is ideally designed for academics, researchers, scholars, and managers seeking current research on the promotion of collaborative research and learning.

Transportation Research Record

Colloquium Proceedings

Gas, Water and Solid Waste Treatment Technology

Journal of Economic Literature

New Trends in Water and Environmental Engineering for Safety and Life

Cross-Disciplinary Approaches to Action Research and Action Learning

Traditionally, American educators and communities have looked to Europe and Asia for ideas for rethinking and reforming education for America’s diverse children. This book, Contemporary Voices from the Margin: African Educators on African and American Education, brings together new voices of diverse African-born teacher educators and Africanist scholars who share personal experiences as well as researchbased perspectives about education in Africa and America that will be valuable to rethinking and reforming education for America’s struggling schools. The book is a comprehensive work of experienced educators and scholars in the field of teacher education and African Studies. The editors of the book invited a diverse group of African-born teacher educators and scholars from different countries of Africa who teach in the U.S. The contributors share a common African experience, but they are geographically diverse in countries of origin and research. Their knowledge about African communal living as well as colonial powers and imperialism as they operated in various African countries enables them to compare and contrast various educational models and practices, including traditional ones. They are also diverse in their fields of specialization but have expertise in multicultural education, urban education, and culturally responsive pedagogy that have become the focus of U.S. discourses in public education and teacher preparation programs. Given that these scholars were born or socialized, and educated in, as well as, taught schools and colleges in their respective African countries before settling in the United States, they bring a wealth of experience and insights into what it means to successfully educate children and youth. The book is divided into three parts. Part 1 examines African processes and practices of education, both formal and informal, as contributing authors share perspectives about African indigenous education including cultural socialization and formal western-type education and organization of schools. Part 2 focuses on patterns and structures of formal, western-type education in selected African countries. Part 3 explores cross-cultural perspectives on American education. The contributors provide chapters of stimulating and rich perspectives that will engage the discourse on rethinking and reforming education and schooling for America’s diverse students.

Large numbers of people in Soweto & other parts of South Africa live in fear of witchcraft, presenting complex & unique problems for the government. Adam Ashforth explores the challenge of occult violence & the spiritual insecurity that it engenders to democratic rule in South Africa.

The contribution that this book makes to scholarship is regarded as ground-breaking, as it is based on recent research conducted with teachers on the ground-level, as well as on research and experiences of practitioners, gained over many years. In this volume, Understanding education for the visually impaired, the focus falls on understanding visual impairment within the South African context, more specifically on what the education of learners entails, in addition to the content and to existing literature in the fields of inclusive education and learning impairment, the publication has practical application value for teachers and practitioners who work with and support such learners.

The 17 Sustainable Development Goals (SDGs) which were adopted by the United Nations in September 2015 are universally applicable in all 193 UN Member States and connect the big challenges of our time, such as hunger and poverty, climate change, health in an urbanised environment, sustainable energy, mobility, economic development and environmental degradation. Sustainability has the characteristics of a

‘wicked problem’, for which there are no one-size-fits-all solutions. This book tests the hypothesis that the implementation of sustainable development, and in particular the 2015 SDGs, requires tailor-made metagovernance or ‘governance of governance’. This is necessary to develop effective governance and high quality and inclusive public administration and to foster policy and institutional coherence to support implementing the SDGs. Based on the growing literature on governance and metagovernance, and taking into account the specificities of societal factors such as different values and traditions in different countries, the book presents a framework for the design and management of SDG implementation. It shows how hierarchical, network and market governance styles can be combined and how governance failure can be prevented or dealt with. The book presents an overview of fifty ‘shades of governance’ which differ for each governance style, and a sketch of a concrete method to apply sustainability metagovernance. Metagovernance for Sustainability is relevant to academic and practitioner fields across many disciplines and problem areas. It will be of particular interest to scholars, students and policy-makers studying Sustainable

Development, Governance and Metagovernance, Public Management and Capacity Building.

Proceedings of the 20th CIRP International Conference on Life Cycle Engineering, Singapore 17-19 April, 2013

Pathways to Sustainable Development Goals

Knowledge Management Innovations for Interdisciplinary Education: Organizational Applications

Understanding Education for the Visually Impaired

Flog A Dead Horse

A Study of Aizawl City

This book addresses the South African Space Economy and its stark disparities and dualisms through an assessment of the Gauteng City-Region – the largest economic agglomeration in the country and on a continent bedevilled by a myriad of development challenges. The book’s focus on understanding the overall character of Gauteng City-Region’s Space Economy – through data mining/analysis and mapping – comprehensively supplements the Space Economy literature on the region. It covers the disparities exacerbated by an overlay of apartheid planning ideology and top-down regional development based on selective encouragement of manufacturing investments in growth points or poles and how implementation of past policies intended to cure these disparities have yielded mixed results. This book further offers the Gauteng City-Region as a microcosm of the national economy in the form of evident significant placed-based variations in the intensity and character of economic structure that on the one hand enjoys massive agglomeration economies, while on the other, has high levels of poverty and large numbers of people living below the Minimum Living Level. This book should appeal to urban studies specialists, economists and development studies researchers in the Global South.

Climate change presents a profound challenge to food security and sustainable development in Africa. Its negative impacts are likely to be greatest in the African region, which is already food insecure. In the face of global climate change and its emerging challenges and unknowns, it is essential that decision makers base policies on the best available knowledge. In recent years, the knowledge of local and indigenous people, often referred to as indigenous knowledge (IK) has been increasingly recognised as an important source of climate knowledge and adaptation strategies.

The contents in the book, are mostly true and fictional. The poems in here reflects the difficulty of life towards abandoned children, family matters, lack of facts-of-life from parents, relationship matters, and happy moments. It is a MUSTHAVE masterpiece. Each poem has a short biography, questions to test your understanding, And that makes it so INTERESTING. Why Flog A Dead Horse? The name has been chosen looking at the theme in which the manuscript was prepared. What is in the book? The book covers more than just poems and questions. The theme of the book is based on real life, things that happen to us on a daily basis which we are not aware of that. It is a combination of poetry in general, life sciences, life orientation, geography, physical sciences, grammar and dictionary skills. It is indeed a MUSTHAVE, because it will enrich your mind and teach a learner to not always be dependent on a teacher for everything. He/She must learn to investigate on his/her own. What would you benefit from this book? You will learn so much more than just poetry. It will enrich your knowledge and improve your vocabulary. It gives you a chance to express and challenge your mind, to widen it. You also stand a chance to know other languages around the world and how music takes part in poetry. Do not hesitate to follow us. Facebook fanpage: Flog A Dead Horse Poetry Anthology. Twitter handle: @PoetBoys E-mail: Flogadeadhorse@nokiamail.com YouTube: PoeticBoys Call: +27729836716

This well-informed and crisply written introduction will appeal to both students of contemporary politics and general readers interested in the new democracy. Book jacket.

Twenty Years of Education Transformation in Gauteng 1994 to 2014

Re-engineering Manufacturing for Sustainability

Life Sciences, Grade 10

Electrospun Materials and Their Allied Applications

Knowledge Management in Practice

XXX International Congress of Psychology: Abstracts

The analysis, development, and/or operation of high temperature processes that involve the production of ferrous and nonferrous metals, alloys, and refractory and ceramic materials are covered in the book. The innovative methods for achieving impurity segregation and removal, by-product recovery, waste minimization, and/or energy efficiency are also involved. Eight themes are presented in the book: 1: High Efficiency New Metallurgical Technology 2: Fundamental Research of Metallurgical Process 3: Alloy and Materials Preparation 4: Roasting, Reduction, and Smelting 5: Smelting of Ores and Powder 6: Simulation and Modeling 7: Treatment of Solid Slag/Wastes and Complex Ores 8: Microwave Heating, Energy, and Environment

This volume looks at recent scientific knowledge and innovative techniques concerning environmental matters. The proceedings focus on topics such as hydraulic protection of territory and defence, utilization of water resources, architecture and planning of fluvial/coastal landscape and much more.

Performance Through Learning is a practical guide to the key issues surrounding knowledge management from a human resource perspective and provides incisive insights into developing a strategy linked to organizational learning. The authors present a framework and model that practitioners within organizations can adapt to increase performance through learning using knowledge management tools. The book is divided into two parts and includes: ‘An overview of theory ‘Case studies and practitioner stories from a range of KM initiatives ‘Tools and techniques for implementing an effective KM strategy. Written by a respected international author team, the book provides an understanding of the theory that supports knowledge management in the current business environment. Drawing upon real-life examples across a variety of organizational settings, from large global financial and professional services firms, to multinational oil and mining companies, to a small charity in the voluntary sector ‘Authors from US, Canada, South Africa, and UK give this book an international perspective ‘Only book to focus on measurement using balanced scorecard and other HR measurement tools

***Provides empirical case studies of how leading organizations in 4 countries have achieved benefits from KM**

Himalayan Youth of Life

Politics in South Africa

Who’s Who in Science and Engineering 2008-2009

African Educators on African and American Education

Indigenous knowledge systems and climate change management in Africa

Handbook of Test Development