

Past Agricultural Science Csec Papers

Recent scandals in the biosciences have highlighted the perils of communicating science leading many observers to ask questions about the pressures on scientists and the media to hype-up claims of scientific breakthroughs. Journalists, science writers and scientists themselves have to report complex and rapidly-developing scientific issues to society, yet work within conceptual and temporal constraints that shape their communication. To date, there has been little reflection on the ethical implications of science writing and science communication in an era of rapid change. Communicating Biological Sciences discusses the 'ethics' of science communication in light of recent developments in biotechnology and biomedicine. It focuses on the role of metaphors in the creation of visions and the framing of scientific advances, as well as their impact on patterns of public acceptance and rejection, trust and scepticism. Its rigorous investigation will appeal not only to science writers and scientists, but also to scholars of sociology, science and technology studies, media and journalism.

Education in the Commonwealth Caribbean and Netherlands Antilles provides a contemporary survey of education development and key educational issues in the region. The chapters cover: Anguilla, Antigua and Barbuda, the Bahamas, Barbados, Belize, Bermuda, the British Virgin Islands, the Cayman Islands, Dominica, Grenada, Guyana, Jamaica, the Netherlands Antilles (Aruba, Bonaire, Curacao, Saba, Saint Eustatius and Saint Maarten), Montserrat, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Surinam, Trinidad and Tobago, and the Turks and Caicos Islands. The book includes discussions of the impact of local, regional and global occurrences, including social, political and geographical events, on education systems and schooling in the region. As a whole, the book provides a comprehensive reference resource for contemporary education policies in the Caribbean, and explores some of the problems these countries face during the process of development. It is an essential reference for researchers, scholars, international agencies and policy-makers at all levels.

Amerindians to Africans deals with the events that took place from the first human settlement of the region in prehistoric times to the end of the eighteenth century. Emphasis is placed on the effect of the forced introduction of Africans to the region.

Food Safety Governance

Science and Citizens

Amerindians to Africans

Education in the Commonwealth Caribbean and Netherlands Antilles

Health and Family Life Education

¿Qué Hay?

Rapid advances and new technologies in the life sciences - such as biotechnologies in health, agricultural and environmental arenas - pose a range of pressing challenges to questions of citizenship. This volume brings together for the first time authors from diverse experiences and analytical traditions, encouraging a conversation between science and technology and development studies around issues of science, citizenship and globalisation. It reflects on the nature of expertise; the framing of knowledge; processes of public engagement; and issues of rights, justice and democracy. A wide variety of pressing issues is explored, such as medical genetics, agricultural biotechnology, occupational health and HIV/AIDS. Drawing upon rich case studies from Asia, Africa, Latin America and Europe, Science and Citizens asks: · Do new perspectives on science, expertise and citizenship emerge from comparing cases across different issues and settings? · What difference does globalisation make? · What does this tell us about approaches to risk, regulation and public participation? · How might the notion of 'cognitive justice' help to further debate and practice?

Monthly. Papers presented at recent meeting held all over the world by scientific, technical, engineering and medical groups. Sources are meeting programs and abstract publications, as well as questionnaires. Arranged under 17 subject sections, 7 of direct interest to the life scientist.

Full programs of meetings listed under sections. Entry gives citation number, paper title, name, mailing address, and any ordering number assigned. Quarterly and annual indexes to subjects, authors, and programs (not available in monthly issues).

The Handbook constitutes a global resource for the fast growing interdisciplinary research and policy communities addressing the challenge of driving innovation towards socially desirable outcomes. This book brings together well-known authors from the US, Europe and Asia who develop conceptual and regional perspectives on responsible innovation as well as exploring the prospects for further implementation of responsible innovation in emerging technological practices ranging from agriculture and medicine, to nanotechnology and robotics. The emphasis is on the socio-economic and normative dimensions of innovation including issues of social risk and sustainability.

Global Risk Governance

Artificial Insemination in Farm Animals

The Emergence of the Anti-GM Movement

Communicating Biological Sciences

Agri-Culture

Natural Resources Management: Concepts, Methodologies, Tools, and Applications

Agricultural Science for CSEC(R) Examinations is one of a series of texts written especially for students studying for the CSEC examinations in science subjects. The examination for Agricultural Science can be taken as a Single Award or as a Double Award, and this book covers the material for both.

Although GM crops are seen by their advocates as a key component of the future of world agriculture and as part of the solution for world poverty and hunger, their uptake has not been smooth nor universal: they have been marred by controversy and all too commonly their regulation has been challenged as inadequate, even biased. This book aims to understand these dynamics, examining the impacts of GM crops in diverse contexts and their potentials to contribute to sustainable agricultural futures. Part 1 draws on research from three global 'rising powers' – Brazil, India and Mexico – exploring the views of scientists, farmers and publics. Using a diverse array of ethnographic and qualitative methodologies, the book examines the dynamics that have underpinned the controversy in three diverse geo-political contexts, the manner in which dominant institutional framings have been closely aligned with the interests of powerful elites, and the multiple ways in which these have been resisted through local, symbolic and material practices. Part 2 comprises a series of short comment pieces from 11 leading social and natural scientists responding to the question of how to develop a policy framework for the responsible innovation of sustainable, culturally appropriate and socially just agricultural GM technologies. This innovative book offers new insights for researchers and postgraduates in Science and technology studies, Agro-ecology and Environmental Studies, Development studies, Anthropology, Human Geography, Sociology, Political Science, Public Administration, Latin American studies, and Asian studies.

This edited collection brings together an impressive array of authors from the world of international trade, the environment and public health. Each of them is eminently well-placed to bring their own particular expertise to bear on the issue at hand, and to do so in a knowledgeable and stimulating manner. This Research Handbook is a must for anyone interested in these overlapping fields of law and policy whether as a basis for learning or as a resource for further research. Ó Æ Mary Footer, University of Nottingham School of Law, UK Ó This fantastic collection of essays explores the multiple intersections between trade and environment in the WTO. The contributions by leading scholars are theoretically engaged whilst practical in their focus. It is a Ó must read Ó for those concerned to ensure that trade liberalisation does not stand in the way of sustainable development, including urgently needed action to mitigate the risks and consequences of climate change. Ó Æ Joanne Scott, University College London, UK Ó Geert Van Calster and Denise Pr Žost have managed to induce virtually all the great experts on health, environment and WTO law to contribute to their Research Handbook on these subjects. The result is undoubtedly an excellent volume that should adorn the bookcase of any and all interested in the important problem of the relation between international rule-making and regulatory autonomy of states in this area of international economic law. Ó Æ Pieter Jan Kuijper, University of Amsterdam, The Netherlands This Handbook provides state-of-the-art analysis by leading authors on the links between the international trade regime and health and environment concerns Æ concerns that make up an increasing proportion of WTO dispute settlement. Research Handbook on Environment, Health and the WTO surveys fields as diverse as climate change mitigation, non-communicable diseases, nanotechnology and public health care. The volume brings to the fore the debates and complexities surrounding these issues and their implications for the international trading system. The Handbook begins in Part I with a survey of general issues that sets a context for the more specific sectorial studies. Part II considers the most pressing issues within health regulation and trade law, whilst Part III is devoted to environmental regulation and its interface with trade law. Part IV looks specifically at aspects of the dispute settlement process and in particular standard of review, and the book concludes in Part V with a consideration of the impact of trade measures on the health and environment regimes of emerging economies. This comprehensive yet concise Handbook will appeal to academics and researchers in international trade law and environmental law, as well as trade law practitioners.

Junior Secondary Agriculture for the Caribbean

Commerce, Justice, Science, and Related Agencies Appropriations for 2008

Monitoring Educational Performance in the Caribbean

Globalization and the Challenge of Engagement

Resources in Education

An International Examination of the Influence of Context on Science Curricula Development and Implementation

This study represents a first attempt of providing a comprehensive quantification of educational outcomes in the Caribbean region. Its main objectives are: (a) to define a set of operationally relevant education indicators (b) to provide a database of comparable education indicators in Caribbean countries where data is available, namely Belize, Dominica, Dominican Republic, Grenada, Guyana, Jamaica, St Kitts and Nevis, St Lucia, St Vincent and the Grenadines and Trinidad and Tobago and (c) to propose methods on how the common set of indicators can be used for analyses of the education sectors. This exercise is all the more important within the framework of the current Education For All (EFA) and Millennium Development Goals (MDGs) initiatives which require the identification and monitoring of relevant indicators to establish where the countries stand in relation to the target of universal primary education. After a systematic review of educational indicators in coverage, efficiency and quality which leads to specific recommendations on the type of indicator relevant to operational diagnostics of the education sectors, the study provides a detailed review of the Caribbean status in producing education indicators and demonstrates how a new database can be used to depict where the education sectors stand. Building on these methods and findings, its final section presents a set of specific recommendations to the Caribbean countries on how to improve the diagnostics of their education sectors.

This is a course for students of CSEC Spanish. Relevant and lively, it consists of a Student's Book each with 2 audio CDs, a Workbook and a Teacher's Guide.

Metalwork Technology is a well illustrated core text covering all the key areas of the subject in one accessible volume. There is a focus on practical work and it is suitable for technical and vocational syllabi from numerous countries including the UK and South Africa.

A Proceedings

Integrating Science, Precaution and Public Involvement

Conference Papers Index

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Tenth Congress, First Session

Cape Economics

Economics for CSEC® Examinations

The establishment of the International Risk Governance Council (IRGC) was the direct result of widespread concern that the complexity and interdependence of health, environmental, and technological risks facing the world was making the development and implementation of adequate risk governance strategies ever more difficult. This volume details the IRGC developed and proposed framework for risk governance and covers how it was peer reviewed as well as tested

'Refreshingly fluent narrative, brimming full of stories and metaphors' Tim O'Riordan, University of East Anglia, UK 'A great balance between storytelling and analysis which points to the critical need for gaining control over resources' Jacqueline Ashby, CIAT, Colombia 'Full of supporting evidence and clear arguments' Norman Uphoff, Cornell University, US 'A wonderful book, put together with such vision and passion' Mark Ritchie, Institute of Agriculture and Trade Policy, US 'A superb volume. This is a valuable monograph that all policy-makers, scholars and farmers must read to understand their roles and responsibilities' Vo-Tong Xuan, Angiang University, Vietnam 'Beautifully written. The implications of the book's ideas are deep and extensive' Julia Guivant, University of Florianopolis, Brazil Something is wrong with our agricultural and food systems. Despite great progress in increasing productivity in recent decades, hundreds of millions of people remain hungry and malnourished, and further millions suffer for eating too much food or the wrong sort. Agri-Culture envisages the expansion of a new form of food production and consumption founded on more ecological principles and in harmony with the cultures, knowledges and collective capacities of the producers themselves. It draws on many stories of successful agricultural transformation in developing and industrialized countries, but with a warning that true prosperity will depend on the radical reform of the institutions and policies that control global food futures, and fundamental changes in the way we think. The time has come for the next agricultural revolution.

These Study Guides have been developed exclusively with the Caribbean Examinations Council (CXC(R)) to be used as an additional resource by candidates who are following the Caribbean Secondary Education Certificate (CSEC(R)) programme. They provide candidates with extra support to help them maximise their performance in their examinations.

Innovation, Science, and Institutional Change

Abstracts of Papers

General Proficiency

Research Handbook on Environment, Health and the WTO

CSEC Past Papers

Agricultural Science for CSEC

Interest is growing in sustainable agriculture, which involves the use of productive and profitable farming practices that take advantage of natural biological processes to conserve resources, reduce inputs, protect the environment, and enhance public health. Continuing research is helping to demonstrate the ways that many factors--economics, biology, policy, and tradition--interact in sustainable agriculture systems. This book contains the proceedings of a workshop on the findings of a broad range of research projects funded by the U.S. Department of Agriculture. The areas of study, such as integrated pest management, alternative cropping and tillage systems, and comparisons with more conventional approaches, are essential to developing and adopting profitable and sustainable farming systems.

This title was first published in 2000: The development of genetically-modified foods has given rise to much widespread and heated debate on the possible consequences - both positive and negative - of this new technology. This book not only addresses the broad issues involved (outlining the connections between gene patenting and biotechnology and their impact on international relations), but also, for the first time, examines the social movement emerging against GM food. Anti-GenetiX traces this movement from its emergence and shows how and why it expanded from a small expert concern to the current huge political uproar. It explores the contribution this movement makes to shaping global civil society and argues that such global social movements will become increasingly common in the global age.

working mechanisms and to develop the overall governance framework in which we operate. Catherine Geslain-Lanéelle Executive Director European Food Safety Authority (EFSA) Parma, March 2008 Acknowledgements This book and the General Framework for the Precautionary and Inclusive Governance of Food Safety that it presents and critically discusses have grown out of research undertaken within one of the subprojects (work package 5) of the research project SAFE FOODS, 'Promoting Food Safety through a New Integrated Risk Analysis Approach for Foods'. The Integrated Project SAFE FOODS has been funded by the European Commission under the 6th Framework Programme (April 2004 to June 2008) and coordinated by Dr H.A. Kuiper and Dr H.J.P. Marvin of RIKILT-Institute of Food Safety at the University of Wageningen in the Netherlands. Subproject 5 of SAFE FOODS has dealt with institutional aspects of food safety governance with a focus on ways (procedural and structural mechanisms) to improve the implementation of precaution, participation and a politi- science interface, and has been coordinated by the editors of this book. The General Framework and this book have been a collaborative effort of subproject 5 in which all contributors to the first part of this book were involved. We have very much appreciated this exceptionally fruitful cooperation. It has always been both greatly intellectually inspiring (with many intensive, focused discussions) and very pleasant (highly cooperative and reliable).

Concept and Practice Using the IRGC Framework

Agricultural Science

General Proficiency 2002-2005

Marine Resource Economics

Public Understanding of Science

Ethical and Metaphorical Dimensions

CSEC Past PapersAgricultural Science (SA & DA)Agricultural ScienceAgricultural ScienceAgricultural Science2008, Economics 2007 -2008 and Religious Education 2007-2008General ProficiencyAgricultural ScienceA Junior Secondary Course for the Caribbean

This CAPE Economics Multiple Choice Practice book is an invaluable exam preparation aid for CAPE Economics students. This book provides excellent practice for the multiple choice questions from Paper 1 of the CAPE examination, and has been specially written to help CAPE Economics students improve their Paper 1 exam score.

Agri-food bio-technology policy and regulation is transitioning from an early period focused on genetic engineering technologies to 'next-generation' rules and regulatory processes linked to challenges originating in a wide variety of new technological processes and applications. Can lessons learned from past and current regulatory oversights of agricultural biotechnology – and other high-technology sectors – help us address new and emerging regulatory challenges in the agri-food genetics sector? The expert contributors in this volume discuss the experiences of a wide range of North American, European and Asian countries with high technology regulation to address four key questions related to the past and future development of agri-food genomics regulation across the globe. how unique is agri-food biotechnology regulation, and how can it be evaluated using the existing tools of regulatory analysis developed in examinations of other sectors? is a 'government to governance' model of regulatory regime development found in many other sectors relevant in this rapidly evolving sphere of activity? is a stages model of regulatory regime development accurate? And, if so, at which stage are we currently positioned in the regulation of agri-food genomics products and technologies? what drives movement between stages in different countries and sectors? In assessing such drivers, what are the key links between sectoral (meso) developments and more general macro and micro developments such as international relations and administrative behaviour? By updating, extending and challenging earlier empirical and theoretical social science perspectives on agricultural bio-technological regulation, this volume helps to inform future policy formulation. It will be of interest to practitioners and students of biotechnology, agriculture, and science and technology policy, and regulatory processes more generally.

Sustainable Agriculture Research and Education in the Field

A Research Handbook

Log on to IT

A Global Resource

Concepts, Methodologies, Tools, and Applications

This book is the second in a series of three texts which cover the needs of students studying agriculture at the Junior Secondary Level.

Artificial insemination is used instead of natural mating for reproduction purposes and its chief priority is that the desirable characteristics of a bull or other male livestock animal can be passed on more quickly and to more progeny than if that animal is mated with females in a natural fashion. This book contains under one cover 16 chapters of concise, up-to-date information on artificial insemination in buffalos, ewes, pigs, swine, sheep, goats, pigs and dogs. Cryopreservation effect on sperm quality and fertility, new method and diagnostic test in semen analysis, management factors affecting fertility after cervical insemination, factors of non-infectious nature affecting the fertility, fatty acids effects on reproductive performance of ruminants, particularities of bovine artificial insemination, sperm preparation techniques and reproductive endocrinology diseases are described. This book will explain the advantages and disadvantages of using AI, the various methodologies used in different species, and how AI can be used to improve reproductive efficiency in farm animals.

Innovation is central to the dynamics and success of organizations and society in the modern world, the process famously referred to by Schumpeter as 'gales of creative destruction'. This ambitious and wide ranging book makes the case for a new approach to the study of innovation. It is the editors' conviction that this approach must accomplish several objectives: it must recognise that innovation encompasses changes in organizations and society, as well as products and processes; it must be genuinely interdisciplinary and include contributes from economics, sociology, management and political science; It must be international, to reflect both different patterns or systems of innovation, and different research traditions; and it must reflect the fundamental changes taking place in science, research

and knowledge creation at all levels. To this end they have gathered together a distinguished group of economists, sociologists, political scientists, and organization, innovation and institutional theorists to both assess current research on innovation, and to set out a new research agenda. This has been achieved through careful planning and development of the project, and also through the ensuing structure of the book which looks in turn at Product and Process Innovation (perhaps the best established focus of existing research on innovation), Scientific Research (assessing the changing character of basic research and science policy); Knowledge Dynamics in Context (encompassing organizational learning in all its aspects); and Institutional Change (an analysis of the institutional context that can shape, enable and constrain innovation). This carefully integrated and wide ranging book will be an ideal reference point for academics and researchers across the Social Sciences interested in all dimensions of innovation - be they in the field of Management Studies, Economics, Organization Studies, Sociology, Political Science and Science and Technology Studies.

Third Chemical Congress of North America, Toronto, Canada, June 5-10, 1988

Agricultural Science (SA & DA)

Activity book 3

Regulating Next Generation Agri-Food Biotechnologies

Global lessons from GM crops

A Junior Secondary Course for the Caribbean

Suitable for students studying for CSEC examinations, this book includes features such as: written for the latest CSEC syllabus; learning objectives stated for each chapter; keywords highlighted in the margins form a glossary; and, diagrams and pictures that encourage understanding.

The perseveration of our natural environment has become a critical objective of environmental scientists, business owners, and citizens alike. Because we depend on natural resources to survive, uncovering methods for preserving and maintaining these resources has become a focal point to ensure a high quality of life for future generations. **Natural Resources Management: Concepts, Methodologies, Tools, and Applications** emphasizes the importance of land, soil, water, foliage, and wildlife conservation efforts and management. Focusing on sustainability solutions and methods for preserving the natural environment, this critical multi-volume research work is a comprehensive resource for environmental conservationists, policymakers, researchers, and graduate-level students interested in identifying key research in the field of natural resource preservation and management.

This three-part course takes into account recent changes and provides a base for the CXC examination.

Lessons from European, North American and Asian Experiences

International Handbook on Responsible Innovation

Reconnecting People, Land, and Nature

A Caribbean Examinations Council Study Guide

CXC

The Haitian Revolution and Its Effects

This book presents an international perspective of the influence of educational context on science education. The focus is on the interactions between curriculum development and implementation, particularly in non-Western and non-English-speaking contexts (i.e., outside the UK, USA, Australia, NZ, etc.).

Develop IT skills through an active, accessible approach to theory and practice, providing an ideal foundation for lower secondary students going on to study IT at CSEC® and for building real-life computer skills; fully updated to reflect the new curriculum and new approaches to IT teaching. - Build knowledge with straightforward introductions to theoretical concepts, key practical applications and new topics such as ethical use of computers and multimedia. - Support all learning styles with a range of questions - Multiple Choice, True or False, Short Answer, Research, Project and a fun Crossword puzzle. - Develop critical thinking and research skills with research projects. The answers can be found here: www.hoddereducation.co.uk/Log-on-to-IT-Answers

Governing Agricultural Sustainability

Anti-GenetX

Metalwork Technology

Agricultural Science 2008, Economics 2007 -2008 and Religious Education 2007-2008

Science Education in Context