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This edited volume presents an interdisciplinary collection of texts that examine the practice of gamification, the use of game design elements in non-game contexts, specifically as an organization and management research problem. As we travel deeper into the twenty-first century, it is becoming increasingly clear the late modernity is re defining its take on games and play. Following what has been termed a general ludification or playification of society, corporations are beginning to see games and play as

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resources rather than as a wasteful practice. We are witnessing the emergence of the practice of gamification with the intention of mobilizing play's motivational power for capitalist production. This book outlines both the essential "how tos" and also critically explores their links to diverse strands of organization theory such as institutionalism, business ethics, critical theory and organizational behavior. Gamification research has been mostly conducted within disciplines such as information studies, game studies and information systems science. This is a paradoxical state of affairs; whilst gamification aims at being a transformative intervention in work

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processes and practices and is being deployed as such by practitioners. This book will be of value to researchers, academics and students interested in management and organization studies.

Principles of Sugar Technology focuses on the principles, methodologies, and processes involved in sugar technology, including properties of sugar and agents involved in its manufacture. The selection first offers information on the chemical and physical properties of sucrose, as well as decomposition, structure of the sucrose molecule, sucrose derivatives, crystallized and amorphous sucrose, and solvents.

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The book then takes a look at the physical and chemical properties of reducing sugars and non-nitrogenous organic acids of sugarcane. The publication ponders on nitrogen-containing nonsugars (amino acids and proteins), complex organic nonsugars of high molecular weight, and lipids of sugarcane. Discussions focus on the distribution of nitrogen in sugarcane, amino acids in cane juice and leaves, lignin, pectin, proteins, and significance of waxy and fatty lipids in sugar manufacture. The text also examines color and colored nonsugars, inorganic nonsugars, and agents used in sugar manufacture. The selection is a

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dependable reference for readers interested in sugar technology. The History and Future of the World Trade Organization is a comprehensive account of the economic, political and legal issues surrounding the creation of the WTO and its evolution. Fully illustrated with colour and black-and-white photos dating back to the early days of trade negotiations, the publication reviews the WTO's achievements as well as the challenges faced by the organisation, and identifies the key questions that WTO members need to address in the future. The book describes the intellectual roots of the trading system, membership of the WTO and the growth of the

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Geneva trade community, trade negotiations and the development of coalitions among the membership, and the WTO's relations with other international organisations and civil society. Also covered are the organisation's robust dispute settlement rules, the launch and evolution of the Doha Round, the rise of regional trade agreements, and the leadership and management of the WTO.

The Literary Digest

CORDS in the Villages of Vietnam
1967-1972

Cambridge International AS and A
Level Mathematics: Mechanics
Coursebook

Object Appearance, Colour
Perception and Instrumental

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Measurement

Logistics 4.0

Global Urban Projects in the Asia
Pacific Rim

Thinking Skills, second edition, is the only endorsed book offering complete coverage of the Cambridge International AS and A Level syllabus. As societies grow more complex and people are increasingly bombarded with health information and misinformation, health literacy becomes essential. People with strong health literacy skills enjoy better health and well-being, while those with weaker skills tend to engage in riskier behavior and have poorer health. With evidence from the recent European Health Literacy Survey, this report identifies practical and effective ways public health and other sector

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authorities and advocates can strengthen health literacy in a variety of settings, including educational settings, workplaces, marketplaces, health systems, new and traditional media and political arenas. The report can be used as a tool for spreading awareness, stimulating debate and research and, above all, for informing policy development and action.

Industrial revolutions have impacted both, manufacturing and service. From the steam engine to digital automated production, the industrial revolutions have conducted significant changes in operations and supply chain management (SCM) processes. Swift changes in manufacturing and service systems have led to phenomenal improvements in productivity. The fast-paced environment brings new challenges and opportunities for the

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companies that are associated with the adaptation to the new concepts such as Internet of Things (IoT) and Cyber Physical Systems, artificial intelligence (AI), robotics, cyber security, data analytics, block chain and cloud technology. These emerging technologies facilitated and expedited the birth of Logistics 4.0. Industrial Revolution 4.0 initiatives in SCM has attracted stakeholders' attentions due to its ability to empower using a set of technologies together that helps to execute more efficient production and distribution systems. This initiative has been called Logistics 4.0 of the fourth Industrial Revolution in SCM due to its high potential. Connecting entities, machines, physical items and enterprise resources to each other by using sensors, devices and the internet along the supply chains are the main

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attributes of Logistics 4.0. IoT enables customers to make more suitable and valuable decisions due to the data-driven structure of the Industry 4.0 paradigm. Besides that, the system's ability of gathering and analyzing information about the environment at any given time and adapting itself to the rapid changes add significant value to the SCM processes. In this peer-reviewed book, experts from all over the world, in the field present a conceptual framework for Logistics 4.0 and provide examples for usage of Industry 4.0 tools in SCM. This book is a work that will be beneficial for both practitioners and students and academicians, as it covers the theoretical framework, on the one hand, and includes examples of practice and real world.

Principles of Sugar Technology

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*Critical Thinking and Problem Solving
Proceedings of the Workshop "Soil and
Water Quality at Different Scales" held
7–9 August 1996, Wageningen, The
Netherlands*

*Handbook of Research on Emergent
Applications of Optimization Algorithms
Principles of Fermentation Technology*

IGCSE Cambridge International

Mathematics (0607) Extended

***Integrated studies on the
assessment and improvement
of soil and water quality have
to deal almost inevitably with
issues of scale, since the
spatial support of
measurements, the model
calculations and the
presentation of results usually
vary. This book contains the***

***selected and edited
proceedings of a workshop
devoted to issues of scale
entitled: 'Soil and Water
Quality at Different Scales',
which was held in 1996 in
Wageningen. It is intended for
environmental researchers,
scientists and MSc and PhD
students. Part 1 covers current
issues and methodologies
with scale related soil and
water quality research. Part 2
covers agroecological and
hydrological case studies in
which scale transforms form
an important part of the
research chain. Part 3 consists
of papers focusing on***

methodologies and up and downscaling. Part 4 contains review papers based on modellers' and statisticians' considerations as well as the papers and posters presented during the workshop. Part 5 consists of short research notes.

Covering key topics in the field such as technological innovation, human-centered sustainable engineering and manufacturing, and manufacture at a global scale in a virtual world, this book addresses both advanced techniques and industrial applications of key research in

interactive design and manufacturing. Featuring the full papers presented at the 2014 Joint Conference on Mechanical Design Engineering and Advanced Manufacturing, which took place in June 2014 in Toulouse, France, it presents recent research and industrial success stories related to implementing interactive design and manufacturing solutions.

To succeed in achieving its national security objectives the United States needs to use Associative Power in place of both Hard Power and Soft

Power. Associative Power is the use of joint ventures and alliances to optimize the forms of power brought to bear in conflicts responding with precision to a spectrum of enemy threats, situational challenges, and political opportunities. Associative Power was wisely and successfully used by the United States in the Vietnam War through the CORDS program of counter insurgency and village development to defeat the Viet Cong insurgency and permit the withdrawal of American combat forces. Associative

power was not used by the United States—nor was the best counter insurgency practices of CORDS—in the Iraq and Afghanistan conflicts. As a result of this omission, interim outcomes in Iraq and Afghanistan did not acceptably accomplish American objectives.

***Precision agriculture '13
Handbook of Research on
Strategic Supply Chain
Management in the Retail
Industry
Free Culture***

***Soil and Water Quality at
Different Scales***

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Information Theory, Inference and Learning Algorithms

This second edition has been thoroughly updated to include recent advances and developments in the field of fermentation technology, focusing on industrial applications. The book now covers new aspects such as recombinant DNA techniques in the improvement of industrial micro-organisms, as well as including comprehensive information on fermentation media, sterilization procedures, inocula, and fermenter design. Chapters on effluent treatment and fermentation economics are also incorporated. The text is

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supported by plenty of clear, informative diagrams. This book is of great interest to final year and post-graduate students of applied biology, biotechnology, microbiology, biochemical and chemical engineering.

Discussions on the global economy focus on the hyper-mobility of capital, the possibility of instantaneous transmission of information and money around the globe, the centrality of information outputs to our economic systems and emphasise the neutralisation of geography and of places. What is ignored, however, is that even the most advanced information industries need a material

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infrastructure of buildings and work processes, and considerable agglomeration, in order to operate in global markets. Further, the globalisation of economic activity has brought with it not only a vast dispersal of offices and factories, but also a growing importance of central functions to manage and coordinate such worldwide networks of activities. The development of global urban projects is one manifestation of this move towards centrality in urban situations. These large-scale urban projects are the result of governments' seeking competitive advantage in the

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global economy. They are critical components of a nation's global infrastructure. In the booming economies of the Asia Pacific Rim prior to the Asian Economic Crisis these urban developments were seen as key components of national economic policies. In their making they require a conscious effort to arrange material infrastructure and reinforce that there is a role for urban design in this making. Emerging Urbanity is an exploration of this role in nine global urban projects in the Asia Pacific Rim.

Cambridge International AS and
A Level Mathematics: Mechanics

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Coursebook Cambridge University
Press

“The” Illustrated London News

Unlocking Negative Emissions

The Publishers Weekly

Health Literacy

Mergent Bond Record

Röntgendiagnostik des

Digestionstraktes und des

Abdomen / Roentgen Diagnosis

of the Digestive Tract and

Abdomen

The Recovery of Natural

Environments in Architecture

challenges the modern practice

of sealing up and mechanically

cooling public scaled buildings

in whichever climate and

environment they are located.

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This book unravels the extremely complex history of understanding and perception of air, bad air, miasmas, airborne pathogens, beneficial thermal conditions, ideal climates and climate determinism. It uncovers inventive and entirely viable attempts to design large buildings, hospitals, theatres and academic buildings through the 19th and early 20th centuries, which use the configuration of the building itself and a shrewd understanding of the natural physics of airflow and fluid dynamics to make good,

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comfortable interior spaces. In exhuming these ideas and reinforcing them with contemporary scientific insight, the book proposes a recovery of the lost art and science of making naturally conditioned buildings.

This series has been developed specifically for the Cambridge International AS & A Level Mathematics (9709) syllabus to be examined from 2020.

Cambridge International AS & A Level Mathematics: Mechanics matches the corresponding unit of the syllabus, with clear and logical progression through. It contains

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materials on topics such as velocity and acceleration, force and motion, friction, connected particles, motion in a straight line, momentum, and work and energy. This coursebook contains a variety of features including recap sections for students to check their prior knowledge, detailed explanations and worked examples, end-of-chapter and cross-topic review exercises and 'Explore' tasks to encourage deeper thinking around mathematical concepts. Answers to coursebook questions are at the back of the book.

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They change color depending on their mood. They possess uniquely adapted hands and feet distinct from other tetrapods. They feature independently movable eyes. This comprehensive volume delves into these fascinating details and thorough research about one of the most charismatic families of reptiles—Chameleoniae. Written for professional herpetologists, scholars, researchers, and students, this book takes readers on a voyage across time to discover everything that is known about chameleon biology: anatomy,

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physiology, adaptations, ecology, behavior, biogeography, phylogeny, classification, and conservation. A description of the natural history of chameleons is given, along with the fossil record and typical characteristics of each genus. The state of chameleons in the modern world is also depicted, complete with new information on the most serious threats to these remarkable reptiles.

*Principles of Colour and
Appearance Measurement
Daylighting
Research in Interactive Design
(Vol. 4)*

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The Economist

*Biomass Energy with Carbon
Capture and Storage (BECCS)*

*Proceedings of the 20th CIRP
International Conference on
Life Cycle Engineering,*

Singapore 17-19 April, 2013

The mission of higher education in the 21st century must focus on optimizing learning for all students. In a shift from prioritizing effective teaching to active learning, it is understood that computer-enhanced environments provide a variety of ways to reach a wide range of learners who have differing backgrounds, ages, learning needs, and expectations. Integrating technology into teaching assumes greater importance to improve the learning experience. Optimizing

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Higher Education Learning Through Activities and Assessments is a collection of innovative research that explores the link between effective course design and student engagement and optimizes learning and assessments in technology-enhanced environments and among diverse student populations. Its focus is on providing an understanding of the essential link between practices for effective “activities” and strategies for effective “assessments,” as well as providing examples of course designs aligned with assessments, positioning college educators both as leaders and followers in the cycle of lifelong learning. While highlighting a broad range of topics including collaborative teaching, active learning, and flipped

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classroom methods, this book is ideally designed for educators, curriculum developers, instructional designers, administrators, researchers, academicians, and students. Colour and appearance perceptions are very complex psychological phenomena. Written by one of the foremost authorities in the field, Principles of Colour and Appearance Measurement is a major two-volume work addressing the key topics required to understand the issues and manage colour effectively. The book addresses how objects appear to viewers, how viewers perceive colour, and the major types of instrumentation used to measure colour. Chapters detail the characteristics of light sources and

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object colour and appearance attributes. They encompass the complexities of human visual perception, including the various causes and types of colour blindness, and other unusual visual phenomena. The book also covers colour measurement instruments and methods, as well as fluorescence and whiteness. Principles of Colour Appearance and Measurement is a comprehensive resource for designers, colour technologists, colour quality inspectors, product developers, and anyone who uses colour in their work. Addresses the key topics required to understand the issues of colour measure and management Examines how viewers perceive colour and how objects appear to them Reviews the

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**major types of instrumentation
used to measure colour**

**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.**

Igcse And O Level English

**The Recovery of Natural
Environments in Architecture**

The Solid Facts

**Computational Intelligence in
Remanufacturing**

Climatological Data, North Carolina

**The Compu-mark Directory of U.S.
Trademarks**

An essential resource for understanding the potential role for biomass energy with carbon capture and storage in addressing climate change Biomass Energy with Carbon Capture and Storage (BECCS) offers a comprehensive review of the characteristics of BECCS technologies in relation to its various applications. The authors — a team of expert professionals — bring together in one volume the technical, scientific, social, economic and

governance issues relating to the potential deployment of BECCS as a key approach to climate change mitigation. The text contains information on the current and future opportunities and constraints for biomass energy, explores the technologies involved in BECCS systems and the performance characteristics of a variety of technical systems. In addition, the text includes an examination of the role of BECCS in climate change

mitigation, carbon accounting across the supply chain and policy frameworks. The authors also offer a review of the social and ethical aspects as well as the costs and economics of BECCS. This important text: Reveals the role BECCS could play in the transition to a low-carbon economy Discusses the wide variety of technical and non-technical constraints of BECCS Presents the basics of biomass energy systems Reviews the technical and engineering

**issues pertinent to BECCS
Explores the societal
implications of BECCS
systems Written for
academics and research
professionals, Biomass
Energy with Carbon
Capture and Storage
(BECCS) brings together
in one volume the issues
surrounding BECCS in an
accessible and
authoritative manner.
Cultural heritage is a
vital, multifaceted
component of modern
society. To better protect
and promote the integrity
of a culture, certain**

technologies have become essential tools. The Handbook of Research on Emerging Technologies for Architectural and Archaeological Heritage is an authoritative reference source for the latest scholarly research on the use of technological assistance for the preservation of architecture and archaeology in a global context. Focusing on various surveying technologies for the study, analysis, and

protection of historical buildings, this book is ideally designed for professionals, researchers, upper-level students, and practitioners. In attempts to reduce greenhouse gas emissions, many alternatives to manufacturing have been recommended from a number of international organizations. Although challenges will arise, remanufacturing has the ability to transform ecological and business

value. Computational Intelligence in Remanufacturing introduces various computational intelligence techniques that are applied to remanufacturing-related issues, results, and lessons from specific applications while highlighting future development and research. This book is an essential reference for students, researchers, and practitioners in mechanical, industrial, and electrical

engineering.

Engineering

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Organizational

Gamification

The Theory and Practice

of Associative Power

The History and Future of

the World Trade

Organization

Modern optimization approaches have attracted an increasing number of scientists, decision makers, and researchers. As new issues in this field emerge, different optimization methodologies must be developed and implemented. The

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Handbook of Research on Emergent Applications of Optimization Algorithms is an authoritative reference source for the latest scholarly research on modern optimization techniques for solving complex problems of global optimization and their applications in economics and engineering. Featuring coverage on a broad range of topics and perspectives such as hybrid systems, non-cooperative games, and cryptography, this publication is ideally designed for students, researchers, and engineers interested in emerging developments in optimization algorithms.

Table of contents

This authoritative and multi-

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disciplinary book provides architects, lighting specialists, and anyone else working daylight into design, with all the tools needed to incorporate this most fundamental element of architecture. It includes: an overview of current practice of daylighting in architecture and urban planning a review of recent research on daylighting and what this means to the practitioner a global vision of architectural lighting which is linked to the climates of the world and which integrates view, sunlight, diffuse skylight and electric lighting up-to-date tools for design in practice delivery of information in a variety of ways for interdisciplinary readers: graphics, mathematics, text,

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photographs and in-depth illustrations a clear structure: eleven chapters covering different aspects of lighting, a set of worksheets giving step-by-step examples of calculations and design procedures for use in practice, and a collection of algorithms and equations for reference by specialists and software designers. This book should trigger creative thought. It recognizes that good lighting design needs both knowledge and imagination.

*Statistics of External Trade
Re-engineering Manufacturing
for Sustainability*

*Architecture and Lighting Design
Xth International Astronautical
Congress London 1959 / X.
Internationaler Astronautischer*

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*Kongress / Xe Congrès
International d'Astronautique
Handbook of Research on
Emerging Technologies for
Architectural and Archaeological
Heritage*

*Mechanics, Design Engineering
and Advanced Manufacturing*

**Explanation and advice for
students doing O Level
English. O Level English
India edition: written
especially for students
preparing for the O Level in
English Language examination
conducted by the University
of Cambridge International
Examinations; provides
extensive explanation and
advice to students to
prepare for and succeed in
the examination.**

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Customer satisfaction is a pivotal component to any business that provides goods or services to the public. By effectively managing the flow of products, business can adapt to the growing demands of consumers and deliver successful customer service. The Handbook of Research on Strategic Supply Chain Management in the Retail Industry is an authoritative reference source for the latest scholarly research on properly managing business processes in order to satisfy end-user requirements and increase competitive advantage in the retail marketplace.

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Highlighting concepts relating to field applications, customer relationships, and current trends in logistics management, this book is ideally designed for business professionals, managers, upper-level students, and researchers interested in innovative strategies and best practices in modern supply chains.

Lawrence Lessig, "the most important thinker on intellectual property in the Internet era", masterfully argues that never before in human history has the power to control creative progress been so concentrated in the

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hands of the powerful few, the so-called Big Media. Never before have the cultural powers- that-be been able to exert such control over what we can and can't do with the culture around us. Our society defends free markets and free speech; why then does it permit such top-down control? To lose our long tradition of free culture, Lawrence Lessig shows us, is to lose our freedom to create, our freedom to build, and, ultimately, our freedom to imagine.

Digital Transformation of
Supply Chain Management
The Biology of Chameleons
Emerging Urbanity

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Thinking Skills

Optimizing Higher Education Learning Through Activities and Assessments

Theories and Practices of Ludified Work in Late Modernity

Precision agriculture is now 'main stream' in agriculture and is playing a key role as the industry comes to terms with the environment, market forces, quality requirements, traceability, vehicle guidance and crop management. Research continues to be

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necessary and needs to be reported and disseminated to a wide audience. This book contains peer reviewed papers presented at the 9th European Conference on Precision Agriculture, held in Lleida, Spain. The papers reflect the wide range of disciplines that impinge on precision agriculture: technology, crop science, soil science, agronomy, information technology, decision support, remote sensing

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and others. The broad range of research topics reported will be a valuable resource for researchers, advisors, teachers and professionals in agriculture long after the conference has finished.

Air, Comfort and Climate