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ODDSW7 - ARIANA CLARE

Naomi is the biggest pop star on the planet and should be on top of the world... but she's tired of constant touring and missing her school friends and mum. Ruby is Naomi's biggest fan. She knows the words to every song and dreams of being

Naomi's BFF. When the girls have an unexpected encounter and swap bodies, Ruby is thrust into the limelight.

The Reading Planet Guide to Reading supports parents to read at home with their child. This handy guide explains Phonics and book banding, and includes tips on how to develop comprehension skills and

what to write in a reading record.

Crop disease management strategies revolve around the principles of exclusion, eradication and immunization. Cultural practices are aimed at preventing or reducing the accumulation of pathogen population (inoculum). Development of cultivars with genetic resistance by transgressing re-

sistance gene(s) through traditional breeding procedures or biotechnological techniques is the most effective and acceptable strategy, as it is environment-friendly and does not need any additional cost to the grower. Assessment of different grades of resistance of cultivars or genotypes to soilborne microbial pathogens has been possible by quantifying pathogen populations or their DNA contents in the test plants by applying biological and molecular methods. This second volume of a two-volume set focuses on the soilborne microbial plant pathogens and the diseases caused by them. The book provides information on ecology and epidemiology of soilborne microbial plant pathogens and various strategies applicable for effective management of diseases. Chapters cover exclusion and prevention strategies; improvement of host plant resistance; biological management; application of chemicals; and integration of these disease management strategies. Features Discusses various aspects of soilborne microbial plant pathogens to develop effective methods of managing diseases. Presents information on epidemiology and ecology of soilborne microbial plant pathogens. Facilitates the

application of management strategies alone or in combination with others for effective suppression of disease development. Features information on application of biotic and abiotic biological control agents (BCAs) to suppress pathogen development either by directly acting on the pathogen(s) or indirectly by enhancing host resistance to the pathogens. Employs biotic and abiotic biocontrol agents either to replace or reduce the use of chemicals is an achievable approach for managing the soilborne microbial pathogens.

An incisive and devastating critique of capitalism, sounding the alarm that the system poses a threat to human well-being.

In November 1990 Indo-American Hybrid Seeds (IAHS), one of the largest and very innovative horticultural enterprises of its kind in India, celebrated its silver jubilee year in the town of Bangalore, India. On the occasion of this silver jubilee of IAHS an International Seminar on 'New Frontiers in Horticulture' was organized from 25-28th of November 1990 at the Ashok Radisson Hotel in Bangalore. IAHS was almost fully responsible in terms of organization and financially for this International

Seminar. Assisted by an International Scientific Advisory Board, the organizing committee, all members of the company IAHS, really did a great job. I would like to thank in particular Mr. Mammohan Attavar (the company's founder) and Mr. Sri N.K. Bhat (partner of the company), respectively chairman and treasurer of the organizing committee, for their organizational and financial support in organizing this conference. Very special words of thanks go to my colleague editor, Dr. Jitendra Prakash, Secretary Organizing committee and Director of Biotechnology - IAHS, who was really the spill in the whole organization of our very successful conference.

Can you hop? How do you hop? Can you hop on your left foot? Can you hop on your right foot? Lots of animals can hop too. Do you know which animals can hop?

This book gathers selected papers presented at the 2nd International Conference on Computing, Communications and Data Engineering, held at Sri Padmavati Mahila Visavidyalayam, Tirupati, India from 1 to 2 Feb 2019. Chiefly discussing major issues and challenges in data engineering systems and computer communications, the

topics covered include wireless systems and IoT, machine learning, optimization, control, statistics, and social computing.

Poverty has dire consequences on the ability to fulfil one's aspirations for life. Poverty has strong implications for social cohesion and societies' abilities to function in harmonious ways. This book presents the readers with the core concepts, latest development and knowledge about policies that work to eliminate absolute poverty. This volume shows what the consequences are for the quality of life of those living in poverty. It describes life for people in poverty in general, but also deals more specifically with children, in-work poverty and the elderly, thus providing a life, generational and global perspective on poverty, including the impact on people's happiness levels. The book also discusses policies aimed at poverty reduction, such as changes to the labour market - including the risk of working poor - and shows that there is a variety of possible instruments available to reduce poverty. These range from direct provision of social security to ensuring education and a better functioning labour market. Written in an engaging and accessible style, the book provides a

succinct insight into the concept of poverty, how to measure it, the situation of poverty around the globe as well as different types of possible interventions to cope with poverty. Supporting theory with examples and case studies from a variety of contexts, suggestions for further reading, and a detailed glossary, this text is an essential read for anyone approaching the study of poverty for the first time.

We create technology enabling us to do things never before possible and it ultimately changes the way we live, work, play, and interact with each other. Throughout human history, the democratization of technology making a technology available to the masses, has brought about sweeping cultural, social, political, and societal changes. In the last half-century, the democratization of computers, information, the Internet, and social media have revolutionized and transformed our lives. We now stand at the beginning of a new era sure to bring about waves of new revolutions, the cognitive systems era. Until now, humans have done all of the thinking. However, our lives are about to be infused with artificial entities capable of performing high-level cognitive processing

previously possible only in the human mind. Systems capable of this kind of "synthetic cognition" will achieve and surpass the level of human experts in almost every field of endeavor. Far from replacing humans, these cognitive systems will be our collaborators, teachers, confidants, colleagues, and companions. The future will belong to those who can better partner with these cognitive systems. Made available to the average person via the Internet, handheld devices, and through ordinary objects all around us, expertise will become democratized. Everything will change when anyone has access to expertise in any field and new things will be possible. The democratization of expertise is the foundation on which our society's revolutions will be built over the next half-century. This book discusses societal and cultural revolutions throughout history brought about by the adoption of new technology and gives brief histories of human cognitive augmentation and artificial intelligence. In the coming cognitive systems era, humans, by collaboratively partnering with cognitive systems, will together achieve expert-level performance--synthetic expertise--with humans performing

some of the cognitive processing and cognitive systems performing some. As the capabilities of cognitive systems improve over time, the balance of thinking will shift from being mostly human to mostly artificial. This book introduces the Levels of Cognitive Augmentation to describe this shift. Drawing from previous research in cognitive systems and intelligent agent theory, the knowledge stores required for expertise are identified in a Knowledge Level description of expertise. This book introduces a new abstract level, called the Expertise Level to describe the skills needed for expertise. Combining the knowledge-level and expertise-level descriptions, this book introduces the Model of Expertise. This book demonstrates use of the Model of Expertise by presenting several synthetic expert architectures: a synthetic teacher (Synthia), a synthetic friend/therapist (Sy), a synthetic elderly companion (Lois), a synthetic research companion (Synclair), and an automated scientific hypothesis explorer (Ashe). This book is intended for anyone interested in the fields of cognitive systems, cognitive computing, cognitive augmentation, or artificial intelligence or the impact of technologies from

these fields on society. Anyone doing research and development in the area of cognitive systems or artificial intelligence will find this book particularly useful.

The FAO Yearbook of fisheries and aquaculture statistics is a compilation of statistical data on capture fisheries and aquaculture production, employment, commodities production and trade, apparent fish consumption and fishing fleets. It is structured into a booklet (containing summary tables, notes on major trends, concepts, classifications and a map of FAO major fishing areas) and a USB card presenting the full yearbook package with all the key information and the complete set of statistical tables.

Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has

become the gold standard against which all other outdoor-industry awards are measured.

The lake charr *Salvelinus namaycush* is a ubiquitous member of cold-water lake ecosystems in previously glaciated regions of northern continental U.S., Alaska, and Canada that often support important commercial, recreational, and subsistence fisheries. The lake charr differs from other charrs by its large size, longevity, iteroparity, top-predator specialization, reduced sexual dimorphism, prevalence of lacustrine spawning, and use of deepwater habitat. The species is remarkably variable in phenotype, physiology, and life history, some of which is reflected in its ecology and genetics, with as many as four morphs or ecotypes co-occurring in a single lake. The lake charr is often the top predator in these systems, but is highly adaptable trophically, and is frequently planktivorous in small lakes. The lake charr by their name highlights their common habitat, lakes both large and small, but often frequents rivers and occasionally moves into the Arctic Ocean. Movement and behaviour of lake charr are motivated by access to cool, well-oxygenated water, forag-

ing opportunities, predator avoidance, and reproduction. Owing to their broad distribution and trophic level, the lake charr serves as a sentinel of anthropogenic change. This volume will provide an up-to-date summary of what is currently known about lake charr from distribution to genetics to physiology to ecology. The book provides a compilation and synthesis of available information on the lake charr, beginning with an updated distribution and a revised treatment of the paleoecology of the species. Understanding of ecological and genetic diversity and movement and behaviour of the species has advanced remarkably since the last major synthesis on the species over 40 years ago. Mid-sections of the book provide detailed accounts of the biology and life history of the species, and later sections are devoted to threats to conservation and fishery management practices used to ensure sustainability. A new standard lake charr-specific terminology is also presented. The book will be a valuable reference text for biologists around the world, ecologists, and fishery managers, and of interest to the angling public.

Fish Pathology is the definitive, classic and essential book on the subject, providing in-depth coverage across all major aspects of fish pathology. This new, fully updated and expanded fourth edition builds upon the success of the previous editions which have made Fish Pathology the best known and most respected book in the field, worldwide. Commencing with a chapter covering the aquatic environment, the book provides comprehensive details of the anatomy and physiology of teleosts, pathophysiology and systematic physiology, immunology, neoplasia, virology, parasitology, bacteriology, mycology, nutritional pathology and other non-infectious diseases. A final chapter provides extremely useful details of the most widely-used and trusted laboratory methods in the area. Much new information is included in this new edition, including enhanced coverage of any diseases which have become commercially significant since publication of the previous edition. Beautifully illustrated in full colour throughout with many exceptional photographs, Fish Pathology, Fourth Edition, is an essential purchase for fish pathologists, fish veterinarians, biologists, microbiologists and immunologists, including all

those working in diagnostic services worldwide. Personnel working in fish farming and fisheries will also find much of great use and interest within the book's covers. All libraries in universities and research establishments where biological and veterinary sciences are studied and taught should have copies of this landmark publication on their shelves.

This book offers students the requisite knowledge, appropriate motivations, and relevant skills to succeed in today's intercultural world. It provides a discussion of important ethical and social issues relating to intercultural communication, encouraging students to apply vivid examples that will prepare them to interact better in intercultural relationships.

Bridge to IELTS is designed for students who want to start an IELTS preparatory course. The 120 hour course takes students at Pre-intermediate level up to Intermediate level. By the end of the course students should have the knowledge, skills and confidence to embark on an IELTS preparatory course.

Alan Livingston thought he had everything figured out. Graduate from college, got in-

to law and eventually into politics. Until financial reality set in and he had to drop out after only two years. His goals were out of reach and options were few and far between. He hopped from job to job for a while, and tried everything from tree cutting to being a bouncer. Nothing stuck. Finally, he lands something both interesting and challenging. Alan has skills which help him as a private investigator. Respect for people, an unassuming manner, resourcefulness and a knack for finding the truth. Things might work out after all. Then he got a call in the middle of the night. At the airport in Lexington, Kentucky, Alan grabs his suitcase and rushes to get a car to investigate - a plane crash? What he finds will stay with him a long time.

Exam board: WJEC Level: GCSE Subject: Computer Science First teaching: September 2017 First exams: Summer 2019 Strengthen your students' understanding and upgrade their confidence with My Revision Notes: WJEC Eduqas GCSE (9-1) Computer Science. Written by leading Computer Science experts this is the only revision guide aimed specifically at helping students prepare for the WJEC or Eduqas exam - a new title in the top-selling revision

guide series, loved by students and recommended by teachers. · Let students take control of their revision - plan and focus on the areas where they need to improve their knowledge and understanding with advice and summaries from the experts. · Help them achieve their potential - exam tips on computer science terms and concepts highlighted throughout the book · Improve their exam skills - a range of exam practice questions and 'test yourself questions' with answers at the back of the book.

Ensure every student can become fluent in Python with this highly practical guide that will help them understand the theory and logic behind coding. Written for 14-16-year olds by a leading Python specialist and teacher, and aligned to curriculum requirements, this essential Student Book provides numerous practice questions and coding problems that can be completed as homework or during class - plus answers can be found online at www.hoddereducation.co.uk/pythonextras How to Code in Python will: This unique book can be broken down into three key features: Code theory and explanations (worked examples) in a fun and accessible

way Computational thinking puzzles for the reader to solve; this will greatly improve students' ability to read code and predict its effect and output when run Programming problems where the reader has to write a program to solve given scenarios Greg Reid is a very experienced Computer Science teacher in Scotland, who has written How to Pass Higher Computer Science and Higher Computing Science Practice Papers for Hodder Gibson.

This Student Book provides full support for year two of an Edexcel A Level course. Written by a well recognised author team of experienced teachers, this book supports the major changes in assessment style. Using clear and concise explanations, and abundant worked examples, it covers all the pure, mechanics and statistics content needed.

Quick Reference General Knowledge is a thoroughly researched, exam oriented text, which will help students to master general knowledge from a variety of fields. This book will prepare students for numerous competitive examinations. The book covers various topics such as history, geography, Indian polity, Indian economy, gen-

eral science and general knowledge, presenting concise and clear explanations for the students. This book will be useful for SSC, Banking, UPSC, NDA, CDS and other examinations.

Although portfolio management didn't change much during the 40 years after the seminal works of Markowitz and Sharpe, the development of risk budgeting techniques marked an important milestone in the deepening of the relationship between risk and asset management. Risk parity then became a popular financial model of investment after the global financial crisis in 2008. Today, pension funds and institutional investors are using this approach in the development of smart indexing and the redefinition of long-term investment policies. Written by a well-known expert of asset management and risk parity, *Introduction to Risk Parity and Budgeting* provides an up-to-date treatment of this alternative method to Markowitz optimization. It builds financial exposure to equities and commodities, considers credit risk in the management of bond portfolios, and designs long-term investment policy. The first part of the book gives a theoretical account of portfolio optimization and risk par-

ity. The author discusses modern portfolio theory and offers a comprehensive guide to risk budgeting. Each chapter in the second part presents an application of risk parity to a specific asset class. The text covers risk-based equity indexation (also called smart beta) and shows how to use risk budgeting techniques to manage bond portfolios. It also explores alternative investments, such as commodities and hedge funds, and applies risk parity techniques to multi-asset classes. The book's first appendix provides technical materials on optimization problems, copula functions, and dynamic asset allocation. The second appendix contains 30 tutorial exercises. Solutions to the exercises, slides for instructors, and Gauss computer programs to reproduce the book's examples, tables, and figures are available on the author's website.

"This new volume on applications and advances in tissue engineering presents significant, state-of-the-art developments in this exciting area of research. It highlights some of the most important applied research on the applications of tissue engineering along with its different compo-

nents, specifically different types of biomaterials. It looks at the various issues involved in tissue engineering, including smart polymeric biomaterials, gene therapy, tissue engineering in reconstruction and regeneration of visceral organs, skin tissue engineering, bone and muscle regeneration, and applications in tropical medicines. Covering a wide range of issues in tissue engineering, the volume Provides an overview of the efficacy of the different biomaterials employed in tissue engineering (such as skin regeneration, nerve regeneration, artificial blood vessels, bone regeneration). Looks at smart polymeric biomaterials in tissue engineering Discusses the hybrid approach of tissue engineering in conjunction with gene therapy Explores using tissue engineering in the management of tropical diseases Considers various skin tissue engineering applications, including wound healing methods, skin substitutes and other materials Reports on the use of various biomaterials in bone and muscle regeneration Describes the use of tissue engineering in reconstruction and regeneration of visceral organs Covers polysaccharides and protein-based hydrogels for tissue engineering

applications Providing an abundance of advanced research and information, Tissue Engineering: Applications and Advancements will be a valuable resource for medical researchers, pharmaceutical manufacturers, healthcare personnel, and academicians"--

This pack contains ten copies of each of the Read Write Inc. Phonics Book Bag Books from Green to Grey level, a total of 750 books. Read Write Inc. Phonics Book Bag Books are engaging texts to support children with additional reading practice outside the classroom. They have been specifically designed for children to take home after school, in order to share their reading journey and celebrate their achievements with parents and carers. The books are closely matched to the existing Read Write Inc. Phonics Storybooks to reinforce children's classroom learning of phonics at the appropriate level, helping them to make even faster progress in reading. Read Write Inc. Phonics Book Bag Books fit into the existing Read Write Inc. timetable, providing an additional opportunity for reading practice and celebration of reading achievement with parents and carers. Book Bag Books are part of the Read Write

Inc. Phonics programme, developed by Ruth Miskin and used in over 4000 schools. The programme is designed to create fluent readers, confident speakers and keen writers. The programme resources include Handbooks, Sound Cards, Word Cards, Storybooks, Non-fiction books, Get Writing! books, and an online subscription. All Read Write Inc. programmes are fully supported by comprehensive professional development from Ruth Miskin Training.

What was initially described by Krahe as an Old European community based on studies of European hydronymy, and what has been described through comparative grammar as a North-West Indo-European dialect continuum - sharing common lexical and grammatical traits -, is now more clearly defined as an ancient Indo-European proto-language that expanded at least twice, from two small European regions during the third millennium: from the North Pontic steppe to the Carpathian basin in the first half, and from the Middle Danube to the rest of Europe in the second half. This book deals with that matter from a linguistic point of view and, as a consequence, with the reconstruction of different Proto-Indo-European stages and

dialects, as well as neighbouring languages, including especially Uralic and its dialects.

Commensal rodents pose health risks and cause substantial damage to property and food supplies. Rats have also invaded islands and pose a serious threat to native wildlife, particularly raptors and seabirds. Estimates of total damage from introduced rats range into the billions of dollars in developed countries. This book aims to provide a state-of-the-art overview of the scientific advancements in the assessment of exposure, effects and risks that currently used rodenticides may pose to non-target organisms in the environment, along with practical guidance for characterization of hazards. This will be discussed in relation to their efficacy, and the societal needs for rodent control, and discussion of risk mitigation and development of alternatives. The flow in the book is planned as: a. introduction and setting the scene b. problem description (risks and effects on non-targets and secondary poisoning, development of resistance) c. ; alternatives, regulation and risk mitigation d. conclusions and recommendations

It was an obsession that would destroy them all. On a cold December night, a young man called Ishmael rents a room at an inn in Massachusetts. He has come from Manhattan to the north-east of America to sign up for a whaling expedition. Later that same night, as Ishmael is sleeping, a heavily tattooed man wielding a blade enters his room. This chance meeting is just the start of what will become the greatest adventure of his life. The next

day, Ishmael joins the crew of a ship known as the Pequod. He is approached by a man dressed in rags who warns him that, if he sails under the command of Captain Ahab, he may never come back. Undaunted, Ishmael returns early the next morning and leaves for the high seas. For the crew of the Pequod, their voyage is one of monetary gain. For Captain Ahab, however, it is a mission driven by hatred,

revenge, and his growing obsession with the greatest creature of the sea.

Farmer Wallace has been very busy making this year's scarecrow and was sure it would do a good job. But, as spring and summer arrived the woodland creatures took no notice of the scarecrow and weren't frightened at all as they nibbled at the green shoots and ripening corn. What would the farmer do when he returned to view his harvest?