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KEY=AND - WILLIAMSON RACHAEL

Level 1 Science SciPAD Micro The Essential Workbook for NCEA Science Students Big Data Analytics 9th International Conference, BDA 2021, Virtual Event, December 15-18, 2021, Proceedings Springer This book constitutes the proceedings of the 8th International Conference on Big Data Analytics, BDA 2021, which took place during December 2021. Due to COVID-19 pandemic the conference was held virtually. The 16 full and 3 short papers included in this volume were carefully reviewed and selected from 41 submissions. The contributions were organized in topical sections named as follows: medical and health applications; machine/deep learning; IoTs, sensors, and networks; fundamentation; pattern mining and data analytics. **Sustainable Resource Management Modern Approaches and Contexts Elsevier** Sustainable Resource Management: Modern Approaches and Contexts presents the application of the current concept of sustainability to the management of natural resources, such as water, land, minerals and metals using theoretical field knowledge and illustrative real-world examples. Initially, the book defines sustainability, detailing its evolution and how it has been adapted to each of the contexts in which it is used. Furthermore, sustainability is made up of three main areas of science—environmental, social and economic—which are rarely considered together. This book is a complete reference guide to sustainability of natural resources for academics, researchers, practitioners and postgraduate-level students, and more. As sustainability is an interdisciplinary field, linked to most sciences, it is also of use to all fields of science that need to maintain sustainable practices and specific details on the methodologies and techniques needed for sustainable resource management. Provides an integrated approach for modern tools, methodologies and indicators for sustainable resource management Evaluates emerging trends and advanced approaches in sustainable resource management, detailing the most up-to-date research and management considerations Describes advanced sustainable resource management technologies and presents case studies where applicable **The Science of Cheese Oxford University Press** Describes the science of cheese making, from chemistry to biology, in a lively way that is readable for both the food scientist and the artisanal hobbyist. **Vocabulary Power Plus Book G Grade 7 Prestwick House Inc** This is the first book in the six-volume series, "Vocabulary Power Plus for the New SAT," which prepares students for the revised Scholastic Aptitude Test. Recommended for 7th grade, this book lays the foundation for success on the SATs. The skills necessary to achieve higher scores are emphasized throughout the entire "Vocabulary Power Plus" series. **Introduction to Biotechnology** Thoroughly updated for currency and with exciting new practical examples throughout, this popular text provides the tools, practice, and basic knowledge for success in the biotech workforce. With its balanced coverage of basic cell and molecular biology, fundamental techniques, historical accounts, new advances, and hands-on applications, the Third Edition emphasizes the future of biotechnology and the biotechnology student's role in that future. Two new features-Forecasting the Future, and Making a Difference-along with several returning hallmark features, support the new focus. **Protists and Fungi Gareth Stevens Publishing LLLP** Explores the appearance, characteristics, and behavior of protists and fungi, lifeforms which are neither plants nor animals, using specific examples such as algae, mold, and mushrooms. **NCEA Level 1 Biology Study Guide** This new edition covers the Level 1 Biology and Science (Living World) Achievement Standards (B1.1 to B1.5 and S1.9 to S1.12) being implemented in 2011. It features theory, illustrations, examples and activities for student practice. Answers are given in the back of the book. **Explorations in Basic Biology Level 2 Chemistry SciPAD The Essential Workbook for NCEA Chemistry Students** "The Level 2 Chemistry sciPAD workbook provides comprehensive coverage of the three Level 2 Chemistry externally assessed Achievement Standards AS 91164 (Chemistry 2.4 - Bonding, Structure, Properties and Energy), AS 91165 (Chemistry 2.5 - Organic Compounds) and AS 91166 (Chemistry 2.6 - Chemical Reactions). It is completely new from the ground up - not a rewrite like other Chemistry workbooks. The key features of the NCEA Level 2 Chemistry (externals) sciPAD are: Worked examples guide and encourage your students, enabling you to teach low-ability AND high-achieving students, while giving every student the opportunity to progress. NCEA-style questions are provided with 'walk-throughs' to guide students to structure extended answers. Hints are designed to get students moving towards the top of the 8-point NCEA marking system. Each unit ends with two pages of review activities to consolidate key terms and concepts. Each chapter ends with a full NCEA-style exam for reinforcement, practice and preparation. Downloadable digital versions and answers are provided for use on smart boards or through data projectors"--Publisher website. **Applied Evaluative Informetrics Springer** This book presents an introduction to the field of applied evaluative informetrics, dealing with the use of bibliometric or informetric indicators in research assessment. It sketches the field's history, recent achievements, and its potential and limits. The book dedicates special attention to the application context of quantitative research assessment. It describes research assessment as an evaluation science, and distinguishes various assessment models, in which the domain of informetrics and the policy sphere are disentangled analytically. It illustrates how external, non-informetric factors influence indicator development, and how the policy context impacts the setup of an assessment process. It also clarifies common misunderstandings in the interpretation of some often used statistics. Addressing the way forward, the book expresses the author's critical views on a series of fundamental problems in the current use of research performance indicators in research assessment. Highlighting the potential of informetric techniques, a series of new features is proposed that could be implemented in future assessment processes. It sketches a perspective on altmetrics and proposes new lines in longer term, strategic indicator research. It is written for interested scholars from all domains of science and scholarship, and especially for all those subjected to research assessment, research students at advanced master and PhD level, research managers, funders and science policy officials, and to practitioners and students in the field. **Level 1 Biology SciPAD Micro The Essential Workbook for NCEA Biology Students Information Technology in Languages for Specific Purposes Issues and Prospects Springer Science & Business Media** I first used the Internet in fall 1993, as a Fulbright Scholar at Charles University in Prague. I immediately recognized that the Internet would radically transform second language teaching and learning, and within a year had written my first book on the topic, E-Mail for English Teaching. The book galvanized a wave of growing interest in the relationship of the Internet to language learning, and was soon followed by many more books on the topic by applied linguists or educators. This volume, though, represents one of the first that specifically analyzes the relationship of new technologies to the teaching of languages for specific purposes (LSP), and, in doing so, makes an important contribution. The overall impact of information and communication technology (ICT) on second language learning can be summarized in two ways, both of which have special significance for teaching LSP. First, ICT has transformed the context of language learning. The stunning growth of the Internet—resulting in 24 trillion email messages sent in 2005, and more than 600 billion Web pages and 50 million blogs online in the same year—has helped make possible the development of English as the world's first global language. **Nutritional Sciences From Fundamentals to Food Cengage Learning** Crystal Clear Science + Compelling Applications = A Balanced Program for Teaching and Learning Now updated with the 2015 Dietary Guidelines for Americans, NUTRITIONAL SCIENCES: FROM FUNDAMENTALS TO FOOD, 3rd Enhanced Edition clearly explains the scientific principles underlying nutrition while incorporating applications to promote a complete understanding of core concepts. This integrated approach provides a strong science foundation in a context relevant to students' daily lives and their careers. Supported by an impressive visual design, engaging case studies and interactive digital resources, NUTRITIONAL SCIENCES offers a unique, balanced program for teaching and learning. A Table of Food Composition booklet is included. **Environmentally Significant Consumption Research Directions National Academies Press** There has been much polemic about affluence, consumption, and the global environment. For some observers, "consumption" is at the root of global environmental threats: wealthy individuals and societies use far too much of the earth's resource base and should scale back their appetites to preserve the environment for future generations and allow a decent life for the rest of the world. Other observers see affluence as the way to escape environmental threats: economic development increases public pressure for environmental protection and makes capital available for environmentally benign technologies. The arguments are fed by conflicting beliefs, values, hopes, and fears—but surprisingly little scientific analysis. This book demonstrates that the relationship of consumption to the environment needs careful analysis by environmental and social scientists and conveys some of the excitement of treating the issue scientifically. It poses the key empirical questions: Which kinds of consumption are environmentally significant? Which actors are responsible for that consumption? What forces cause or explain environmentally significant consumption? How can it be changed? The book presents studies that open up important issues for empirical study: Are there any signs of saturation in the demand for travel in wealthy countries? What is the relationship between environmental consumption and human well-being? To what extent do people in developing countries emulate American consumption styles? The book also suggests broad strategies that scientists and research sponsors can use to better inform future debates about the environment, development, and consumption. **Microbiology An Evolving Science W. W. Norton** The most current and visually engaging introduction to general microbiology. **The First Outstanding 50 Years of "Università Politecnica delle Marche" Research Achievements in Life Sciences Springer Nature** The book describes the significant multidisciplinary research findings at the Università Politecnica delle Marche and the expected future advances. It addresses some of the most dramatic challenges posed by today's fast-growing, global society and the changes it has caused. It also discusses solutions to improve the wellbeing of human beings. The book covers the main research achievements in the various disciplines of the life sciences, and includes chapters that highlight mechanisms relevant to all aspects of human diseases, the molecular, cellular, and functional basis of therapy, and its translation into the management of people's health needs. It also describes research on traditional and innovative foods to enhance quality, safety and functionality, and to develop bioactive/nutraceutical compounds. Further chapters address conservation and management of various environments, from the forests to the oceans, describing the studies on countermeasures against climate changes and terrestrial/aquatic pollutants, and on terrestrial/marine biodiversity, ecosystems and landscapes, erosion of genetic biodiversity, innovative aquaculture feed, sustainable crop production and management of forests. Lastly, the book reports the findings of research work on different classes of biomolecules, and on the molecular basis of antibiotic resistances and their diffusion. **Green Supply Chain Management A Concise Introduction Routledge** This book gives students a thorough overview of the environmental issues that impact the supply chain and details strategic methods of addressing the political, social, technological, market, and economic concerns that have caused organizations to reconsider their impact. Readers will learn how to integrate the fields of operations management, procurement and purchasing, logistics, and marketing into a successful green supply chain, looking outward to form sustainable partnerships rather than focusing their efforts within the company. Each chapter describes a function or dimension of green supply chains, supplemented with short vignettes to ground the theory in practice. The authors examine various industries, including electronics, food products, and manufacturing, and draw on case studies from the Americas, Europe, Asia, and Oceania, allowing students to compare and contrast domestic and international practices. Blending industry insights with the latest academic thinking, they also consider hot button topics like global-local relationships, the role of third parties, green multitier supplier management, and blockchain technology management. Conclusive chapter summaries and plenty of visual aids help readers retain the information they need to improve environmental performance within, and beyond their organizations. Green Supply Chain Management is an excellent introduction to the topic for students and practitioners of supply chain management and environmental sustainability. **Energy, Environment and Sustainable Development Springer Science & Business Media** New information and strategies for managing the energy crisis from the perspective of growing economies are presented. Numerous case studies illustrate the particular challenges that developing countries, many of which are faced with insufficient resources, encounter. As a result, many unique strategies to the problems of energy management a conservation, environmental engineering, clean technologies, biological and chemical waste treatment and waste management have been developed. **Walkermaths 1.2 Algebra NCEA Level 1 External Complete Biology for Cambridge Secondary 1 Student Book For Cambridge Checkpoint and beyond OUP Oxford** Making the leap to Cambridge IGCSE can be a challenge - this brand new course leads learners smoothly through all three stages of Cambridge Secondary 1 Biology up to Cambridge Checkpoint and beyond, with crucial rigour built in from the outset so they can dive into Cambridge IGCSE Science study with confidence. **Advances in Data Analysis Proceedings of the 30th Annual Conference of the Gesellschaft für Klassifikation e.V., Freie Universität Berlin, March 8-10, 2006 Springer Science & Business Media** This book focuses on exploratory data analysis, learning of latent structures in datasets, and unscrambling of knowledge. Coverage details a broad range of methods from multivariate statistics, clustering and classification, visualization and scaling as well as from data and time series analysis. It provides new approaches for information retrieval and data mining and reports a host of challenging applications in various fields. **Scintillation Dosimetry CRC Press** Scintillation Dosimetry delivers a comprehensive introduction to plastic scintillation dosimetry, covering everything from basic radiation dosimetry concepts to plastic scintillating fiber optics. Comprised of chapters authored by leading experts in the medical physics community, the book: Discusses a broad range of technical implementations, from point source dosimetry scaling to 3D-volumetric and 4D-scintillation dosimetry Addresses a wide scope

of clinical applications, from machine quality assurance to small-field and in vivo dosimetry Examines related optical techniques, such as optically stimulated luminescence (OSL) or Čerenkov luminescence. Thus, Scintillation Dosimetry provides an authoritative reference for detailed, state-of-the-art information on plastic scintillation dosimetry and its use in the field of radiation dosimetry. **Microbiology Basic and Clinical Principles, Books a la Carte Edition Pearson** This loose-leaf, three-hole punched version of the textbook gives students the flexibility to take only what they need to class and add their own notes--all at an affordable price. For pre-nursing and allied health students (including mixed-majors courses). Building tomorrow's healthcare leaders Lourdes Norman-McKay wrote Microbiology: Basic and Clinical Principles to equip tomorrow's allied health professionals with necessary critical thinking skills. In the first and only introductory microbiology text developed from the ground up for allied health professionals, Norman-McKay teaches not only the fundamentals of microbiology, but also how to apply critical thinking to real-world healthcare scenarios. The author introduces her unique "S.M.A.R.T." problem-solving framework (Summarize known and unknown, Make connections, Avoid distractors, Read and re-read, Thoroughly answer) that helps students tackle clinical cases online and throughout the book. This textbook is the first on the market written to align with the American Society of Microbiology's Allied Health Learning Outcomes, featuring NCLEX/HESI/TEAS-style questions and emphasizing topics that are medically relevant. The author's conversational writing style employs accessible analogies and humor to engage students in their reading, while the artwork incorporates new research-based learning design principles to focus learners on what is truly important. Online videos of clinical cases, tutorials, and animations coach students through tough concepts in Mastering(tm) Microbiology, complementing Microbiology: Basic and Clinical Principles and helping students think clinically and critically. Also available with Mastering Microbiology Mastering(tm) is the teaching and learning platform that empowers you to reach every student. By combining trusted author content with digital tools developed to engage students and emulate the office-hour experience, Mastering personalizes learning and improves results for each student. An expanded, robust Mastering Microbiology program works with the text to provide an interactive and personalized learning experience that ensures students learn microbiology both in and out of the classroom. NOTE: You are purchasing a standalone product; Mastering(tm) Geography does not come packaged with this content. Students, if interested in purchasing this title with Mastering Geography, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the loose-leaf version of the text and Mastering Geography, search for: 0134812832 / 9780134812830 Microbiology: Basic and Clinical Principles, Books a la Carte Plus MasteringMicrobiology with Pearson eText -- Access Card Package, 1/e **Molecular Cell Biology 3.0 [Archivo de Ordenador] W H Freeman & Company The Oxford Handbook of Evidence-Based Management Oxford University Press** From medicine to education, evidence-based approaches aim to evaluate and apply scientific evidence to a problem in order to arrive at the best possible solution. Thus, using scientific knowledge to inform the judgment of managers and the process of decision-making in organizations, Evidence-based Management (EBMgt) is the science-informed practice of management. Written by leading experts in the study and practice of EBMgt, The Oxford Handbook of Evidence-based Management provides an overview of key EBMgt ideas and puts them in context of promoting evidence-based practice. Furthermore, it addresses the roles and contributions of practitioners, educators, and scholars -- the primary constituents of EBMgt -- while providing perspectives and resources for each. Divided into three sections (research, practice, and education), this handbook examines the realities of everyday management practice and the role EBMgt can play in improving managerial decision making and employee well being and instructs educators in their roles as designers of curricula and resources. As the first major volume to capture the spirit of this emerging movement, The Oxford Handbook of Evidence-based Management shows how practitioners can use high-quality knowledge gleaned from scientific research in order to make better use of available data and ultimately make more mindful decisions. **Millionaire by Thirty The Quickest Path to Early Financial Independence Business Plus** Most people know that there are 70 million Baby Boomers in America today...but what is less known is that there are approximately 100 million people in America between the ages of 16 and 30. This generation has just entered, or will soon be entering the work force. And they have no idea how to invest, save, or handle their money. Young people today come out of school having had little or no formal education on the basics of money management. Many have large debts from student loans looming over their heads. And many feel confused and powerless when their pricey educations don't translate into high paying jobs. They feel that their \$30,000-\$40,000 salary is too meager to bother with investing, and they constantly fear that there will be "too much month left at the end of their money." Douglas R. Andrew has shown the parents of this generation a different pathway to financial freedom. Now Doug and his sons, Emron and Aaron - both of whom are in their mid-20s - show the under-30 crowd how they can break from traditional 401k investment plans and instead can find a better way by investing in real estate, budgeting effectively, avoiding unnecessary taxes and using life insurance to create tax-free income. With the principles outlined in Millionaire by Thirty, recent graduates will be earning enough interest on their savings to meet their basic living expenses by the time they're 30. And by the time they're 35, their investments will be earning more money than they are, guaranteeing them a happy, wealthy future. **Alcamo's Microbes and Society Jones & Bartlett Publishers** Perennial best-seller Alcamo's Microbes and Society is the ideal text for non-majors taking a foundational course in the life sciences. The Fourth Edition retains the user-friendly readability of previous editions while incorporating original features and material, including new information on viruses and microbial groups, new data on microbes in agriculture and the environment, current applications of genetic engineering and biotechnology, and fully updated coverage of microbes and the human microbiome. Discussions of the immune system, bacterial growth and metabolism, and viral and bacterial diseases have been revised for clarity and concept retention, and coverage of food microbiology, vaccines, and human health has been expanded. Comprehensive yet accessible for non-science-majors, Alcamo's Microbes and Society, Fourth Edition is an essential text for students taking an introductory microbiology course. **The Carbon Cycle Cambridge University Press** Reducing carbon dioxide (CO2) emissions is imperative to stabilizing our future climate. Our ability to reduce these emissions combined with an understanding of how much fossil-fuel-derived CO2 the oceans and plants can absorb is central to mitigating climate change. In The Carbon Cycle, leading scientists examine how atmospheric carbon dioxide concentrations have changed in the past and how this may affect the concentrations in the future. They look at the carbon budget and the "missing sink" for carbon dioxide. They offer approaches to modeling the carbon cycle, providing mathematical tools for predicting future levels of carbon dioxide. This comprehensive text incorporates findings from the recent IPCC reports. New insights, and a convergence of ideas and views across several disciplines make this book an important contribution to the global change literature. **Meeting Policy Challenges for a Sustainable Bioeconomy OECD Publishing** This publication investigates key aspects surrounding the sustainability of bioeconomy development: the use of biomass as feedstock for future production; the design and building of biorefineries for the manufacture of a range of fuels, chemicals and materials, and also for electricity generation. **Discovering Human Sexuality Ingram Level 1 Algebra Learning Workbook** "Covers NCEA Level 1 Mathematics and Statistics AS 1.2"--cover. **Total Training for Young Champions Human Kinetics** Collects conditioning programs for athletes between the ages of six and eighteen, offering over three hundred exercises for increasing coordination, flexibility, speed, endurance, and strength **Vocabulary Power Plus Book F Teacher's Edition** Your students will score higher on the SAT once they've used Prestwick House's Vocabulary Power Plus for the New SAT, the only program that addresses all of the revisions in the test without compromising the vocabulary studies students need. **The Origins of Cooking (Signed Edition)** A compelling reflection on the origins of cooking by Ferran Adrià, the most creative and influential chef of the 21st century. **PEM Fuel Cell Electrocatalysts and Catalyst Layers Fundamentals and Applications Springer Science & Business Media** Proton exchange membrane (PEM) fuel cells are promising clean energy converting devices with high efficiency and low to zero emissions. Such power sources can be used in transportation, stationary, portable and micro power applications. The key components of these fuel cells are catalysts and catalyst layers. "PEM Fuel Cell Electrocatalysts and Catalyst Layers" provides a comprehensive, in-depth survey of the field, presented by internationally renowned fuel cell scientists. The opening chapters introduce the fundamentals of electrochemical theory and fuel cell catalysis. Later chapters investigate the synthesis, characterization, and activity validation of PEM fuel cell catalysts. Further chapters describe in detail the integration of the electrocatalyst/catalyst layers into the fuel cell, and their performance validation. Researchers and engineers in the fuel cell industry will find this book a valuable resource, as will students of electrochemical engineering and catalyst synthesis. **Citation Analysis in Research Evaluation Springer Science & Business Media** This book is written for members of the scholarly research community, and for persons involved in research evaluation and research policy. More specifically, it is directed towards the following four main groups of readers: - All scientists and scholars who have been or will be subjected to a quantitative assessment of research performance using citation analysis. - Research policy makers and managers who wish to become conversant with the basic features of citation analysis, and about its potentialities and limitations. - Members of peer review committees and other evaluators, who consider the use of citation analysis as a tool in their assessments. - Practitioners and students in the field of quantitative science and technology studies, informetrics, and library and information science. Citation analysis involves the construction and application of a series of indicators of the 'impact', 'influence' or 'quality' of scholarly work, derived from citation data, i.e. data on references cited in footnotes or bibliographies of scholarly research publications. Such indicators are applied both in the study of scholarly communication and in the assessment of research performance. The term 'scholarly' comprises all domains of science and scholarship, including not only those fields that are normally denoted as science - the natural and life sciences, mathematical and technical sciences - but also social sciences and humanities. **Clinical Sports Nutrition McGraw-Hill Education / Australia Clinical Sports Nutrition 5e** is a cornerstone of the Sports Medicine series offered by McGraw-Hill Education. This complete practical and clinical reference provides the latest sports nutrition information, drawing on scientific research from around the globe. All chapters have been substantially revised and updated with contributions from leading academics, physicians and sports dietitians in Australia, Canada, the United States and the United Kingdom. In addition there are seven new commentaries: · A molecular view of exercise · Female athlete triad and energy availability · Measuring energy availability · Treating low energy availability · Vegetarian eating · Antioxidant supplementation and exercise · Fluid guidelines This respected reference work is an invaluable asset for students and instructors in the discipline of sports nutrition, and is also essential reading for elite athletes, sports professionals and trainers who need to keep their knowledge current. **Walker Maths Senior 1. 1 Number Workbook** Walker Maths is a series of single standard workbooks containing high-quality, up to date material at NCEA Mathematics levels 1, 2 and 3. The well-designed, write-on workbooks contain teaching material, including relevant formulae, and ample practice exercises along with sample tasks and questions. The workbooks reflect the content and style of the new standards, and allow teachers total flexibility in course design for students at all levels. As a single standard series, Walker Maths offers Maths department the ability to buy titles all at once, or throughout the year as required. A Walker Maths Digital Teacher Resource is available for \$9.95 per year for a single download. Each Digital Teacher Resource includes a Walker Maths eBook/projection file. Plus a selection of ' Worksheets ' Extra questions ' Teacher notes ' Videos ' Puzzle sheets ' Practice quizzes ' Worked solutions Schools qualify by adopting the corresponding workbook. Please contact your Sales Representative for more information. **Core-plus Mathematics Contemporary Mathematics in Context. Course 1**