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Since 1995, more than 150,000 students and researchers have turned to *The Craft of Research* for clear and helpful guidance on how to conduct research and report it effectively. Now, master teachers Wayne C. Booth, Gregory G. Colomb, and Joseph M. Williams present a completely revised and updated version of their classic handbook. Like its predecessor, this new edition reflects the way researchers actually work: in a complex circuit of thinking, writing, revising, and rethinking. It shows how each part of this process influences the others and how a successful research report is an orchestrated conversation between a researcher and a reader. Along with many other topics, *The Craft of Research* explains how to build an argument that motivates readers to accept a claim; how to anticipate the reservations of thoughtful yet critical readers and to respond to them appropriately; and how to create introductions and conclusions that answer that most demanding question, "So what?" Celebrated by reviewers for its logic and clarity, this popular book retains its five-part structure. Part 1 provides an orientation to the research process and begins the discussion of what motivates researchers and their readers. Part 2 focuses on finding a topic, planning the project, and locating

appropriate sources. This section is brought up to date with new information on the role of the Internet in research, including how to find and evaluate sources, avoid their misuse, and test their reliability. Part 3 explains the art of making an argument and supporting it. The authors have extensively revised this section to present the structure of an argument in clearer and more accessible terms than in the first edition. New distinctions are made among reasons, evidence, and reports of evidence. The concepts of qualifications and rebuttals are recast as acknowledgment and response. Part 4 covers drafting and revising, and offers new information on the visual representation of data. Part 5 concludes the book with an updated discussion of the ethics of research, as well as an expanded bibliography that includes many electronic sources. The new edition retains the accessibility, insights, and directness that have made *The Craft of Research* an indispensable guide for anyone doing research, from students in high school through advanced graduate study to businesspeople and government employees. The authors demonstrate convincingly that researching and reporting skills can be learned and used by all who undertake research projects. New to this edition: Extensive coverage of how to do research on the internet, including how to evaluate and test the reliability of sources New information on the visual representation of data Expanded bibliography with many electronic sources An all-encompassing guide to skeptical thinking from podcast host and academic neurologist at Yale University School of Medicine Steven Novella and his SGU co-hosts, which Richard Wiseman calls "the perfect primer for

intimidating to realize that we live in a world overflowing with misinformation, bias, myths, deception, and flawed knowledge. There really are no ultimate authority figures—no one has the secret, and there is no place to look up the definitive answers to our questions (not even Google). Luckily, *The Skeptic's Guide to the Universe* is your map through this maze of modern life. Here Dr. Steven Novella—along with Bob Novella, Cara Santa Maria, Jay Novella, and Evan Bernstein—will explain the tenets of skeptical thinking and debunk some of the biggest scientific myths, fallacies, and conspiracy theories—from anti-vaccines to homeopathy, UFO sightings to N-rays. You'll learn the difference between science and pseudoscience, essential critical thinking skills, ways to discuss conspiracy theories with that crazy co-worker of yours, and how to combat sloppy reasoning, bad arguments, and superstitious thinking. So are you ready to join them on an epic scientific quest, one that has taken us from huddling in dark caves to setting foot on the moon? (Yes, we really did that.) DON'T PANIC! With *The Skeptic's Guide to the Universe*, we can do this together. "Thorough, informative, and enlightening, *The Skeptic's Guide to the Universe* inoculates you against the frailties and shortcomings of human cognition. If this book does not become required reading for us all, we may well see modern civilization unravel before our eyes." -- Neil deGrasse Tyson "In this age of real and fake information, your ability to reason, to think in scientifically skeptical fashion, is the most important skill you can have. Read *The Skeptic's Guide to the Universe*; get better at reasoning. And if this claim about

the importance of reason is wrong, The Skeptics' Guide will help you figure that out, too." -- Bill Nye

"There are many people today who see that modern society is heading toward disaster in one form or another, and who moreover recognize technology as the common thread linking the principal dangers that hang over us... The purpose of this book is to show people how to begin thinking in practical, grand-strategic terms about what must be done in order to get our society off the road to destruction that it is now on." --from the Preface In Anti-Tech Revolution: Why and How, Kaczynski argues why the rational prediction and control of the development of society is impossible while expounding on the existence of a process fundamental to technological growth that inevitably leads to disaster: a universal process akin to biological natural selection operating autonomously on all dynamic systems and determining the long-term outcome of all significant social developments. Taking a highly logical, fact-based, and intellectually rigorous approach, Kaczynski seamlessly systematizes a vast breadth of knowledge and elegantly reconciles the social sciences with biology to illustrate how technological growth in and of itself necessarily leads to disastrous disruption of global biological systems. Together with this new understanding of social and biological change, and by way of an extensive examination of the dynamics of social movements, Kaczynski argues why there is only one route available to avoid the disaster that technological growth entails: a revolution against technology and industrial society. Through critical and comprehensive analysis of the principles of social revolutions and by carefully developing an exacting theory of successful revolution, Kaczynski offers a practical, rational, and realistic guide for preventing the fast-approaching technology-induced catastrophe. This new second edition (2020) contains various updates and improvements over the first edition (2016), including two new appendices.

Authors Dave Nelson and Mike Cox combine the best of the laboratory and best of the classroom, introducing exciting new developments while communicating basic principles of biochemistry.

Anti-Tech Revolution

HTML and CSS

College Algebra

Homo Symbolicus

The Signal and the Noise

Why So Many Predictions Fail--but Some Don't

The second edition of a comprehensive introduction to all aspects of mobile robotics, from algorithms to mechanisms. Mobile robots range from the Mars Pathfinder mission's teleoperated Sojourner to the cleaning robots in the Paris Metro. This text offers students and other interested readers an introduction to the fundamentals of mobile robotics, spanning the mechanical, motor, sensory, perceptual, and cognitive layers the field comprises. The text focuses on mobility itself, offering an overview of the mechanisms that allow a mobile robot to move through a real world environment to perform its tasks, including locomotion, sensing, localization, and motion planning. It synthesizes material from such fields as kinematics, control theory, signal analysis, computer vision, information theory, artificial intelligence, and probability theory. The book presents the techniques and technology that enable mobility in a series of interacting modules. Each chapter treats a different aspect of mobility, as the book moves from low-level to high-level details. It covers all aspects of mobile robotics, including software and hardware design considerations, related technologies, and algorithmic techniques. This second edition has been revised and updated throughout, with 130 pages of new material on such topics as locomotion, perception, localization, and planning and navigation. Problem sets have been added at the end of each chapter. Bringing together all aspects of mobile robotics into one volume, Introduction to Autonomous Mobile Robots can serve as a textbook or a working tool for beginning practitioners. Curriculum developed by Dr. Robert King, Colorado School of Mines, and Dr. James Conrad, University of North Carolina-Charlotte, to accompany the National Instruments LabVIEW Robotics Starter Kit, are available. Included are 13 (6 by Dr. King and 7 by Dr. Conrad) laboratory exercises for using the LabVIEW Robotics Starter Kit to teach mobile robotics concepts. The Analysis of Biological Data provides students with a practical foundation of statistics for biology students. Every chapter has several biological or medical examples of key concepts, and each example is prefaced by a substantial description of the biological setting. The emphasis on real and interesting examples carries into the problem sets where students have dozens of practice problems based on real data. The third edition features over 200 new examples and problems. These include new calculation practice problems,

which guide the student step by step through the methods, and a greater number of examples and topics come from medical and human health research. Every chapter has been carefully edited for even greater clarity and ease of use. All the data sets, R scripts for all worked examples in the book, as well as many other teaching resources, are available to qualified instructors (see below).

Racism is resilient, duplicitous, and endlessly adaptable, so it is no surprise that America is again in a period of civil rights activism. A significant reason racism endures is because it is structural: it's embedded in culture and in institutions. One of the places that racism hides--and thus perhaps the best place to oppose it--is books for young people. Was the Cat in the Hat Black? presents five serious critiques of the history and current state of children's literature tempestuous relationship with both implicit and explicit forms of racism. The book fearlessly examines topics both vivid--such as The Cat in the Hat's roots in blackface minstrelsy--and more opaque, like how the children's book industry can perpetuate structural racism via whitewashed covers even while making efforts to increase diversity. Rooted in research yet written with a lively, crackling touch, Nel delves into years of literary criticism and recent sociological data in order to show a better way forward. Though much of what is proposed here could be endlessly argued, the knowledge that what we learn in childhood imparts both subtle and explicit lessons about whose lives matter is not debatable. The text concludes with a short and stark proposal of actions everyone--reader, author, publisher, scholar, citizen-- can take to fight the biases and prejudices that infect children's literature. While Was the Cat in the Hat Black? does not assume it has all the answers to such a deeply systemic problem, its audacity should stimulate discussion and activism.

This book describes how man-made litter, primarily plastic, has spread into the remotest parts of the oceans and covers all aspects of this pollution problem from the impacts on wildlife and human health to socio-economic and political issues. Marine litter is a prime threat to marine wildlife, habitats and food webs worldwide. The book illustrates how advanced technologies from deep-sea research, microbiology and mathematic modelling as well as classic beach litter counts by volunteers contributed to the broad awareness of marine litter as a problem of global significance. The authors summarise more than five decades of marine litter research, which receives growing attention after the recent discovery of great oceanic garbage patches and the ubiquity of microscopic plastic particles in marine organisms and habitats. In 16 chapters, authors from all over the world have created a universal view on the diverse field of marine litter

pollution, the biological impacts, dedicated research activities, and the various national and international legislative efforts to combat this environmental problem. They recommend future research directions necessary for a comprehensive understanding of this environmental issue and the development of efficient management strategies. This book addresses scientists, and it provides a solid knowledge base for policy makers, NGOs, and the broader public.

Introduction to Business

The Body Electric

What Technology Wants

Principles of Macroeconomics

The Dawn of Language, Imagination and Spirituality

The Skeptics' Guide to the Universe

This comprehensive guide will prepare candidates for the test in all 50 states. It includes four complete practice exams, a real estate refresher course and complete math review, as well as a real estate terms glossary with over 900 terms, and expert test-prep tips.

An award-winning scientist offers his unorthodox approach to childrearing: “ Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions ” (Amy Chua, author of *Battle Hymn of the Tiger Mother*). If you ’ re like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In *Parentology*, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley ’ s sassy kids show him the limits of his profession. *Parentology* teaches you everything you need to know about the latest literature on parenting—with

lessons that go down easy. You ’ ll be laughing and learning at the same time.

A comprehensive introduction to machine learning that uses probabilistic models and inference as a unifying approach. Today's Web-enabled deluge of electronic data calls for automated methods of data analysis. Machine learning provides these, developing methods that can automatically detect patterns in data and then use the uncovered patterns to predict future data. This textbook offers a comprehensive and self-contained introduction to the field of machine learning, based on a unified, probabilistic approach. The coverage combines breadth and depth, offering necessary background material on such topics as probability, optimization, and linear algebra as well as discussion of recent developments in the field, including conditional random fields, L1 regularization, and deep learning. The book is written in an informal, accessible style, complete with pseudo-code for the most important algorithms. All topics are copiously illustrated with color images and worked examples drawn from such application domains as biology, text processing, computer vision, and robotics. Rather than providing a cookbook of different heuristic methods, the book stresses a principled model-based approach, often using the language of graphical models to specify models in a concise and intuitive way. Almost all the models described have been implemented in a MATLAB software package—PMTK (probabilistic modeling toolkit)—that is freely available online. The book is suitable for upper-level undergraduates with an introductory-level college math background and beginning graduate students.

*College Algebra* provides a comprehensive exploration of algebraic principles and meets scope and sequence requirements for a typical introductory algebra course. The modular approach and richness of content ensure that the book meets the needs of a variety of courses. *College Algebra* offers a wealth of examples with detailed, conceptual explanations, building a strong foundation in the material before asking students to apply what they've learned. Coverage and Scope In determining the concepts, skills, and topics to cover, we engaged dozens of highly experienced instructors with a range of student audiences. The resulting scope and sequence proceeds logically while allowing for a significant amount of flexibility in instruction. Chapters 1 and 2 provide both a review and foundation for study of Functions that begins in Chapter 3. The authors recognize that

while some institutions may find this material a prerequisite, other institutions have told us that they have a cohort that need the prerequisite skills built into the course. Chapter 1: Prerequisites Chapter 2: Equations and Inequalities Chapters 3-6: The Algebraic Functions Chapter 3: Functions Chapter 4: Linear Functions Chapter 5: Polynomial and Rational Functions Chapter 6: Exponential and Logarithm Functions Chapters 7-9: Further Study in College Algebra Chapter 7: Systems of Equations and Inequalities Chapter 8: Analytic Geometry Chapter 9: Sequences, Probability and Counting Theory *The Hidden Racism of Children's Literature, and the Need for Diverse Books*

*Design and Build Websites*

*Resources, Strategies, and Scarcity*

*The Disappearing Spoon*

*Handbook of Engineering Hydrology (Three-Volume Set)*

*Was the Cat in the Hat Black?*

"What the College Board doesn't want you to know" --Cover.

The Arctic, long described as the world ’ s last frontier, is quickly becoming our first frontier—the front line in a world of more diffuse power, sharper geopolitical competition, and deepening interdependencies between people and nature. A space of often-bitter cold, the Arctic is the fastest-warming place on earth. It is humanity ’ s canary in the coal mine—an early warning sign of the world ’ s climate crisis. The Arctic “ regime ” has pioneered many innovative means of governance among often-contentious state and non-state actors. Instead of being the “ last white dot on the map, ” the Arctic is where the contours of our rapidly evolving world may first be glimpsed. In this book, scholars and practitioners—from Anchorage to Moscow, from Nuuk to Hong Kong—explore the huge political, legal, social, economic, geostrategic and environmental challenges confronting the Arctic regime, and what this means for the future of world order.

From the author of the New York Times bestseller *The Inevitable*— a sweeping vision of technology as a living force that can expand our individual potential In this provocative book, one of today's most respected thinkers turns the conversation about technology on its head by viewing technology as a natural system, an extension of biological evolution. By mapping the behavior of life, we paradoxically get a glimpse at where technology is headed—or "what it wants." Kevin Kelly offers a dozen trajectories in the coming decades for this near-living system. And as we align ourselves with technology's agenda, we can capture its colossal potential. This visionary and optimistic book explores how technology gives our lives greater meaning and is a must-read for anyone curious about the future.

The best country-by-country assessment of human rights. The human rights records of more than ninety countries and territories are put into perspective in Human Rights Watch's signature yearly report. Reflecting extensive investigative work undertaken by Human Rights Watch staff, in close

partnership with domestic human rights activists, the annual World Report is an invaluable resource for journalists, diplomats, and citizens, and is a must-read for anyone interested in the fight to protect human rights in every corner of the globe.

Guns, Germs, and Steel: The Fates of Human Societies (20th Anniversary Edition)

Choice Words, Phrases, Sentences, and Paragraphs for Every Situation

Big Ideas Simply Explained

Everything You Wanted to Know about the Science of Raising Children but Were Too Exhausted to Ask

Field Book for Describing and Sampling Soils

Fundamentals of Geomorphology

Discover 80 trail-blazing scientific ideas, which underpin our modern world, giving us everything from antibiotics to gene therapy, electricity to space rockets and batteries to smart phones. What is string theory or black holes? And who discovered gravity and radiation? The Science Book presents the fascinating story behind these and other of the world's most important concepts in maths, chemistry, physics and biology in plain English, with easy to grasp "mind maps" and eye-catching artworks. Albert Einstein once quoted Isaac Newton: "If I have seen further than others, it is by standing on the shoulders of giants." Follow context panels in The Science Book to trace how one scientist's ideas informed the next. See, for example, how Alan Turing's "universal computing machine" in the 1940s led to smart phones, or how Carl Linnaeus's classifications led to Darwin's theory of evolution, the sequencing of the human genome and lifesaving gene therapies. Part of the popular Big Ideas series, The Science Book is the perfect way to explore this fascinating subject. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

For anyone who has ever searched for the right word at a crucial moment, the revised third edition of this bestselling guide offers a smart and succinct way to say everything One million copies sold! How to Say It® provides clear and practical guidance for what to say--and what not to say--in any situation. Covering everything from business correspondence to personal letters, this is the perfect desk reference for anyone who often finds themselves struggling to find those perfect words for: \* Apologies and sympathy letters \* Letters to the editor \* Cover letters \* Fundraising requests \* Social correspondence, including invitations and Announcements This new edition features expanded advice for personal and business emails,

blogs, and international communication.

Freshwater Algae: Identification and Use as Bioindicators provides a comprehensive guide to temperate freshwater algae, with additional information on key species in relation to environmental characteristics and implications for aquatic management. The book uniquely combines practical material on techniques and water quality management with basic algal taxonomy and the role of algae as bioindicators. Freshwater Algae: Identification and Use as Bioindicators is divided into two parts. Part I describes techniques for the sampling, measuring and observation of algae and then looks at the role of algae as bioindicators and the implications for aquatic management. Part II provides the identification of major genera and 250 important species. Well illustrated with numerous original illustrations and photographs, this reference work is essential reading for all practitioners and researchers concerned with assessing and managing the aquatic environment.

From New York Times bestselling author Sam Kean comes incredible stories of science, history, finance, mythology, the arts, medicine, and more, as told by the Periodic Table. Why did Gandhi hate iodine (I, 53)? How did radium (Ra, 88) nearly ruin Marie Curie's reputation? And why is gallium (Ga, 31) the go-to element for laboratory pranksters?\* The Periodic Table is a crowning scientific achievement, but it's also a treasure trove of adventure, betrayal, and obsession. These fascinating tales follow every element on the table as they play out their parts in human history, and in the lives of the (frequently) mad scientists who discovered them. THE DISAPPEARING SPOON masterfully fuses science with the classic lore of invention, investigation, and discovery--from the Big Bang through the end of time. \*Though solid at room temperature, gallium is a moldable metal that melts at 84 degrees Fahrenheit. A classic science prank is to mold gallium spoons, serve them with tea, and watch guests recoil as their utensils disappear.

Renewable Economies in the Arctic

Sat Prep Black Book

Parentology

Game Architecture and Design

The Science Book

Freshwater Algae

Just published in its updated fourth edition, this highly regarded text explains in clear terms how and why the best-of-class pump users are consistently achieving superior run lengths, low maintenance expenditures, and unexcelled safety and reliability. Written by practicing engineers whose working careers were marked by involvement in all facets of pumping technology, operation, assessment, upgrading and cost management, this book endeavors to describe in detail how you, too, can accomplish optimum pump performance and low life cycle cost. A new

chapter on breaking the cycle of pump repairs examines the cost of failures and the defined operating range of pumps. The authors also explore mechanical issues, deviations from best available technology, and preventing problems with oil rings and constant level lubricators. Additional topics include bearing housing protector seals, best lube application practices, lubrication and bearing distress, and paying for value. A GMAT preparation book providing a structured approach for teaching sentence correction.

While most books examine only the classical aspects of hydrology, this three-volume set covers multiple aspects of hydrology, and includes contributions from experts from more than 30 countries. It examines new approaches, addresses growing concerns about hydrological and ecological connectivity, and considers the worldwide impact of climate change. It also provides updated material on hydrological science and engineering, discussing recent developments as well as classic approaches. Published in three books, Fundamentals and Applications; Modeling, Climate Change, and Variability; and Environmental Hydrology and Water Management, the entire set consists of 87 chapters, and contains 29 chapters in each book. Students, practitioners, policy makers, consultants and researchers can benefit from the use of this text.

"Fascinating.... Lays a foundation for understanding human history."—Bill Gates In this "artful, informative, and delightful" (William H. McNeill, New York Review of Books) book, Jared Diamond convincingly argues that geographical and environmental factors shaped the modern world. Societies that had had a head start in food production advanced beyond the hunter-gatherer stage, and then developed religion --as well as nasty germs and potent weapons of war --and adventured on sea and land to conquer and decimate preliterate cultures. A major advance in our understanding of human societies, Guns, Germs, and Steel chronicles the way that the modern world came to be and stunningly dismantles racially based theories of human history. Winner of the Pulitzer Prize, the Phi Beta Kappa Award in Science, the Rhone-Poulenc Prize, and the Commonwealth club of California's Gold Medal.

Rabbit Production

How to Say It, Third Edition

Proofreading, Revising & Editing Skills Success in 20 Minutes a Day

The Arctic and World Order

Electromagnetism And The Foundation Of Life

Introduction to Autonomous Mobile Robots, second edition

One of the only books to treat the whole spider, from its behavior and physiology to its neurobiology and reproductive characteristics, Biology of Spiders is considered a classic in spider literature. First published in German in 1979, the book is now in its third edition, and has established itself as the supreme authority on these fascinating creatures. Containing five hundred new references, this book incorporates the latest research while dispelling many oft-heard myths and misconceptions that surround spiders. Of special interest are chapters on the structure and function of spider webs and silk, as

well as those on spider venom. A new subchapter on tarantulas will appeal especially to tarantula keepers and breeders. The highly accessible text is supplemented by exceptional, high-quality photographs, many of them originals, and detailed diagrams. It will be of interest to arachnologists, entomologists, and zoologists, as well as to academics, students of biology, and the general reader curious about spiders.

UPDATED FOR 2020 WITH A NEW PREFACE BY NATE SILVER "One of the more momentous books of the decade." —The New York Times Book Review Nate Silver built an innovative system for predicting baseball performance, predicted the 2008 election within a hair's breadth, and became a national sensation as a blogger—all by the time he was thirty. He solidified his standing as the nation's foremost political forecaster with his near perfect prediction of the 2012 election. Silver is the founder and editor in chief of the website FiveThirtyEight. Drawing on his own groundbreaking work, Silver examines the world of prediction, investigating how we can distinguish a true signal from a universe of noisy data. Most predictions fail, often at great cost to society, because most of us have a poor understanding of probability and uncertainty. Both experts and laypeople mistake more confident predictions for more accurate ones. But overconfidence is often the reason for failure. If our appreciation of uncertainty improves, our predictions can get better too. This is the "prediction paradox": The more humility we have about our ability to make predictions, the more successful we can be in planning for the future. In keeping with his own aim to seek truth from data, Silver visits the most successful forecasters in a range of areas, from hurricanes to baseball to global pandemics, from the poker table to the stock market, from Capitol Hill to the NBA. He explains and evaluates how these forecasters think and what bonds they share. What lies behind their success? Are they good—or just lucky? What patterns have they unraveled? And are their forecasts really right? He explores unanticipated commonalities and exposes unexpected juxtapositions. And sometimes, it is not so much how good a prediction is in an absolute sense that matters but how good it is relative to the competition. In other cases, prediction is still a very rudimentary—and dangerous—science. Silver observes that the most accurate forecasters tend to have a superior command of probability, and they tend to be both humble and hardworking. They distinguish the predictable from the unpredictable, and they notice a thousand little details that lead them closer to the truth. Because of their appreciation of probability, they can distinguish the signal from the noise. With everything from the health of the global economy to our ability to fight terrorism dependent on the quality of our predictions, Nate Silver's insights are an essential read.

CD-ROM includes animations, living graphs, biochemistry in 3D structure tutorials.

A full-color introduction to the basics of HTML and CSS from the publishers of Wrox! Every day, more and more people want to learn some HTML and CSS. Joining the professional web designers and programmers are new audiences who need to know a little bit of code at work (update a content management system or e-commerce store) and those who want to make their personal blogs more attractive. Many books teaching HTML and CSS are dry and only written for those who want to become programmers, which is why this book takes an entirely new approach. Introduces HTML and CSS in a way that makes them accessible to everyone—hobbyists, students, and professionals—and it's full-color throughout Utilizes information graphics and lifestyle photography to explain the topics in a simple way that is engaging Boasts a unique structure that allows you to progress through the chapters from beginning to end or just dip into topics of particular interest at your leisure This educational book is one that you will enjoy picking up, reading, then referring back to. It will make you wish other technical topics were presented in such a simple, attractive and engaging way! This book is also available as part of a set in hardcover - Web Design with HTML, CSS, JavaScript and jQuery, 9781119038634; and in softcover - Web Design with HTML, CSS, JavaScript and jQuery, 9781118907443.

A Probabilistic Perspective  
Backpacker

Lehninger Principles of Biochemistry  
And Other True Tales of Madness, Love, and the History of the World from the Periodic Table of the Elements  
The Craft of Research, 2nd edition  
World Report 2019

Discover the latest trends in the abatement of water pollution from four celebrated and authoritative authors Water Resource Management: Strategies and Scarcity delivers a balanced and comprehensive look at recent trends in the management of polluted water resources. Covering the latest practical and theoretical aspects of polluted water management, the distinguished academics and authors emphasize indigenous practices of water resource management, the scarcity of clean water, and the future of the water system in the context of an increasing urbanization and globalization. The book details the management of contaminated water sites, including heavy metal contaminations in surface and subsurface water sources. It details a variety of industrial activities that typically pollute water, such as those involving crude oils and dyes. In its discussion of recent trends in abatement strategies, Water Resource Management includes an exploration of the application of

microorganisms, like bacteria, actinomycetes, fungi, and cyanobacteria, for the management of environmental contaminants. Readers will also discover a wide variety of other topics on the conservation of water sources, like: The role of government and the public in the management of water resource pollution The causes of river system pollution and potential future scenarios in the abatement of river pollution Microbial degradation of organic pollutants in various water bodies The advancement in membrane technology used in water treatment processes Lead contamination in groundwater and recent trends in abatement strategies for it Highly polluting industries and their effects on surrounding water resources Perfect for graduate and post graduate students and researchers whose focus is on recent trends in abatement strategies for pollutants and the application of microorganisms for the management of environmental contaminants, Water Resource Management: Strategies and Scarcity also has a place in the libraries of environmentalists whose work involves the management and conservation of polluted sites.

Contemporary societies are marked by new global trends-economic, cultural, technological, and environmental shifts that are part of a rapid and uneven wave of globalization. The growing global interdependence that characterizes our time calls for a generation of individuals who can engage in effective global problem solving and participate simultaneously in local, national, and global civic life. Put simply, preparing our students to participate fully in today's and tomorrow's world demands that we nurture their global competence. This document introduces a definition of global competence developed by the Global Competence Task Force—a group of state education agency leaders, education scholars, and practitioners—under the auspices of the Council of Chief State School Officers EdSteps initiative (CCSSO-EdSteps) and the Asia Society Partnership for Global Learning (see page (iv) for task force participants). The definition builds on seminal work within the states and a broad range of organizations working to advance global knowledge and critical thinking skills. A process of careful articulation and vetting yielded the definition of global competence here proposed: Global competence is the capacity and disposition to understand and act on issues of global significance. Globally competent individuals are aware, curious, and interested in learning about the world and how it works. They can use the big ideas, tools, methods, and languages that are central to any discipline (mathematics, literature, history, science, and the arts) to engage the pressing issues of our time. They deploy and develop this expertise as they investigate such issues, recognizing multiple perspectives, communicating their views effectively, and taking action to improve conditions. This publication of CCSSO and the Asia Society

Partnership for Global Learning puts forward a new definition for global competence and explores how to infuse the capacities of global competence into the classroom and into policy.

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 Body Electric tells the fascinating story of our bioelectric selves. Robert O. Becker, a pioneer in the field of regeneration and its relationship to electrical currents in living things, challenges the established mechanistic understanding of the body. He found clues to the healing process in the long-discarded theory that electricity is vital to life. But as exciting as Becker's discoveries are, pointing to the day when human limbs, spinal cords, and organs may be regenerated after they have been damaged, equally fascinating is the story of Becker's struggle to do such original work. The Body Electric explores new pathways in our understanding of evolution, acupuncture, psychic phenomena, and healing.

The Analysis of Biological Data

GMAT Sentence Correction Grail

Why and How

Pollutants and Water Management

Machine Learning

Identification and Use as Bioindicators

A guide to computer game design, architecture, and management explores the application of design principles, shares the experiences of game programmers, and offers an overview of game development software.

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

The emergence of symbolic culture, classically identified with

the European cave paintings of the Ice Age, is now seen, in the light of recent groundbreaking discoveries, as a complex nonlinear process taking root in a remote past and in different regions of the planet. In this book the archaeologists responsible for some of these new discoveries, flanked by ethologists interested in primate cognition and cultural transmission, evolutionary psychologists modelling the emergence of metarepresentations, as well as biologists, philosophers, neuroscientists and an astronomer combine their research findings. Their results call into question our very conception of human nature and animal behaviour, and they create epistemological bridges between disciplines that build the foundations for a novel vision of our lineage's cultural trajectory and the processes that have led to the emergence of human societies as we know them.

This book offers multidisciplinary perspectives on renewable economies in the Arctic and how these are being supported scientifically, economically, socially, and politically by Arctic states. The economic development of the Arctic region is witnessing new, innovative trends which hold promise for the sustainable development of the region. This book discusses the emerging forms of renewable economies to understand where intellectual and technological innovations are being made. It draws on the expertise of scholars from across the Arctic and provides the reader with a foundation of knowledge to identify the unique challenges of the region and explore opportunities to unlock the immense potential of renewable resources to boost the region's economy. This book offers a holistic Arctic perspective against the backdrop of prevailing social, economic, and climatic challenges. With critical insights on the economic state of play and the role of renewable resources in the development of the Arctic region, this book will be a vital point of reference for Arctic scholars, communities, and policy makers.

Marine Anthropogenic Litter

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Fundamentals of Geomorphology presents an engaging and comprehensive introduction to geomorphology, exploring the world's landforms from a broad systems perspective. It reflects the latest developments in the field and includes new chapters on geomorphic materials and processes, hillslopes and changing landscapes.

How to Know What's Really Real in a World Increasingly Full of Fake