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KEY=MURRAY - MOORE PATRICK

Strengthening Forensic Science in the United States A Path Forward

National Academies Press Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices,

and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

The Cambridge Handbook of Animal Cognition

Cambridge University Press "Divided into six sections - communication and language, memory and recall, social cognition, social learning and teaching, numerical and quantitative abilities, and innovation and problem solving the Handbook allows readers to focus specifically on what they are interested in. Concise overviews in each section provide the history and basic concepts in each area, and are helpful for both newcomers to the field or specialists seeking to gain background in different areas. Each overview is followed by three to six entries for readers who are interested in learning more about a particular subject"--

Academic Writing

A Handbook for International Students

Routledge Ideal for overseas students studying at English-medium colleges and universities, this practical writing course enables international students to meet the required standard of writing and use an appropriate style for essays, exams and dissertations. Newly revised and updated to include extra exercises and material suggested by teachers and students, Academic Writing explains and demonstrates all the key writing skills and is ideal for use in the classroom or for independent study. Useful at every stage of an academic career and beyond, this indispensable book features: different styles and formats from CVs and letters to formal essays a focus on accuracy coverage of all stages of writing, from understanding titles to checking your work essential academic writing skills such as proper referencing, summarising and paraphrasing diagrams and practice exercises, complete with answers.

Announcer

Report of the National Reading Panel : Teaching Children to Read : an Evidence-based Assessment of the Scientific Research Literature on Reading and Its Implications for Reading Instruction

Fashion, Faith, and Fantasy in the New Physics of the Universe

Princeton University Press One of the world's leading physicists questions some of the most fashionable ideas in physics today, including string theory. What can fashionable ideas, blind faith, or pure fantasy possibly have to do with the scientific quest to understand the universe? Surely, theoretical physicists are immune to mere trends, dogmatic beliefs, or flights of fancy? In fact, acclaimed physicist and bestselling author Roger Penrose argues that researchers working at the extreme frontiers of physics are just as susceptible to these forces as anyone else. In this provocative book, he argues that fashion, faith, and fantasy, while sometimes productive and even essential in physics, may be leading today's researchers astray in three of the field's most important areas—string theory, quantum mechanics, and cosmology. Arguing that string theory has veered away from physical reality by positing six extra hidden dimensions, Penrose cautions that the fashionable nature of a theory can cloud our judgment of its plausibility. In the case of quantum mechanics, its stunning success in explaining the atomic universe has led to an uncritical faith that it must also apply to reasonably massive objects, and Penrose responds by suggesting possible changes in quantum theory. Turning to cosmology, he argues that most of the current fantastical ideas about the origins of the universe cannot be true, but that an even wilder reality may lie behind them. Finally, Penrose describes how fashion, faith, and fantasy have ironically also shaped his own work, from twistor theory, a possible alternative to string theory that is beginning to acquire a fashionable status, to "conformal cyclic cosmology," an idea so fantastic that it could be called "conformal crazy cosmology." The result is an important critique of some of the most significant developments in physics.

today from one of its most eminent figures.

Tableau Your Data!

Fast and Easy Visual Analysis with Tableau Software

John Wiley & Sons Get the most out of your data by getting more out of Tableau **Tableau Your Data!** shows you how to build dynamic, best of breed visualizations using the Tableau Software toolset. This comprehensive guide covers the core feature set for data analytics, and provides clear step-by-step guidance toward best practices and advanced techniques that go way beyond the user manual. You'll learn how Tableau is different from traditional business information analysis tools, and how to navigate your way around the Tableau 9.0 desktop before delving into functions and calculations, as well as sharing with the Tableau Server. Coverage includes settings customization, data security, scaling, syntax, and more, with plenty of examples that simplify advanced techniques. Use cases demonstrate how Tableau is applied throughout the enterprise, so you can utilize these analysis tools across sales, marketing, operations, financials, and much more. The companion website features actual working models of the book's visualizations, plus a host of useful links to web-based resources that can help you customize your Tableau experience. Tableau is designed specifically to provide fast and easy visual analytics. The intuitive drag-and-drop interface helps you create interactive reports, dashboards, and visualizations, all without any special or advanced training. This book is your Tableau companion, helping you get the most out of this invaluable business toolset. Analyze data more effectively with Tableau Desktop Deploy visualizations to consumers throughout the enterprise Understand Tableau functions and calculations Leverage Tableau across every link in the value chain You need to make sense of your data before you can use it effectively to make good business decisions. Tableau helps you unlock the stories within the numbers, and **Tableau Your Data!** puts the software's full functionality right at your fingertips.

Modern Physics

Worth Pub For the intermediate-level course, the Fifth Edition of this widely used text takes modern physics textbooks to a higher level. With a flexible approach to accommodate the various ways of teaching the course (both one- and two-term tracks are easily covered), the authors recognize the audience and its need for updated coverage, mathematical rigor, and features to build and support student understanding. Continued are the superb explanatory style, the up-to-date topical coverage, and the Web

enhancements that gained earlier editions worldwide recognition. Enhancements include a streamlined approach to nuclear physics, thoroughly revised and updated coverage on particle physics and astrophysics, and a review of the essential Classical Concepts important to students studying Modern Physics.

A Handbook for Teaching and Learning in Higher Education Enhancing Academic Practice

Routledge First Published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

Physics for the IB Diploma Full Colour

Cambridge University Press A best-seller now available in full colour, covering the entire IB syllabus.

Sustainable Energy--without the Hot Air

Uit Cambridge Limited Provides an overview of the sustainable energy crisis that is threatening the world's natural resources, explaining how energy consumption is estimated and how those numbers have been skewed by various factors and discussing alternate forms of energy that can and should be used.

Physics for the IB Diploma

Cambridge University Press This fourth edition of Physics for the IB Diploma has been written for the IB student. It covers the entire new IB syllabus including all options at both Standard and Higher levels. It includes a chapter on the role of physics in the Theory of Knowledge along with many discussion questions for TOK with answers. There are a range of questions at the end of each chapter with answers at the back of the book. The book also includes worked examples and answers throughout, and highlights important results, laws, definitions and formulae. Part I of the book covers the core material and the additional higher level material (AHL). Part II covers the optional subjects.

Rules of Play

Game Design Fundamentals

MIT Press An impassioned look at games and game design that offers the most ambitious framework for understanding them to date. As pop culture, games are as important as film or television—but game design has yet to develop a theoretical framework or critical vocabulary. In **Rules of Play** Katie Salen and Eric Zimmerman present a much-needed primer for this emerging field. They offer a unified model for looking at all kinds of games, from board games and sports to computer and video games. As active participants in game culture, the authors have written **Rules of Play** as a catalyst for innovation, filled with new concepts, strategies, and methodologies for creating and understanding games. Building an aesthetics of interactive systems, Salen and Zimmerman define core concepts like "play," "design," and "interactivity." They look at games through a series of eighteen "game design schemas," or conceptual frameworks, including games as systems of emergence and information, as contexts for social play, as a storytelling medium, and as sites of cultural resistance. Written for game scholars, game developers, and interactive designers, **Rules of Play** is a textbook, reference book, and theoretical guide. It is the first comprehensive attempt to establish a solid theoretical framework for the emerging discipline of game design.

A Wrinkle in Time

GENERAL PRESS **A Wrinkle in Time** is the winner of the 1963 Newbery Medal. It was a dark and stormy night—Meg Murry, her small brother Charles Wallace, and her mother had come down to the kitchen for a midnight snack when they were upset by the arrival of a most disturbing stranger. "Wild nights are my glory," the unearthly stranger told them. "I just got caught in a downdraft and blown off course. Let me sit down for a moment, and then I'll be on my way. Speaking of ways, by the way, there is such a thing as a tesseract." A tesseract (in case the reader doesn't know) is a wrinkle in time. To tell more would rob the reader of the enjoyment of Miss L'Engle's unusual book. **A Wrinkle in Time**, winner of the Newbery Medal in 1963, is the story of the adventures in space and time of Meg, Charles Wallace, and Calvin O'Keefe (athlete, student, and one of the most popular boys in high school). They are in search of Meg's father, a scientist who disappeared while engaged in secret work for the government on the tesseract problem.

Climate Change 2007 - Impacts, Adaptation and Vulnerability

Working Group II Contribution to the Fourth Assessment Report of the IPCC

Cambridge University Press The Climate Change 2007 volumes of the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) provide the most comprehensive and balanced assessment of climate change available. This IPCC Working Group II volume provides a completely up-to-date scientific assessment of the impacts of climate change, the vulnerability of natural and human environments, and the potential for response through adaptation. Written by the world's leading experts, the IPCC volumes will again prove to be invaluable for researchers, students, and policymakers, and will form the standard reference works for policy decisions for government and industry worldwide.

The British National Bibliography

Quantum Computing

A Gentle Introduction

MIT Press A thorough exposition of quantum computing and the underlying concepts of quantum physics, with explanations of the relevant mathematics and numerous examples. The combination of two of the twentieth century's most influential and revolutionary scientific theories, information theory and quantum mechanics, gave rise to a radically new view of computing and information. Quantum information processing explores the implications of using quantum mechanics instead of classical mechanics to model information and its processing. Quantum computing is not about changing the physical substrate on which computation is done from classical to quantum but about changing the notion of computation itself, at the most basic level. The fundamental unit of computation is no longer the bit but the quantum bit or qubit. This comprehensive introduction to the field offers a thorough exposition of quantum computing and the underlying concepts of quantum physics, explaining all

the relevant mathematics and offering numerous examples. With its careful development of concepts and thorough explanations, the book makes quantum computing accessible to students and professionals in mathematics, computer science, and engineering. A reader with no prior knowledge of quantum physics (but with sufficient knowledge of linear algebra) will be able to gain a fluent understanding by working through the book.

The Uninhabitable Earth

A Story of the Future

Penguin UK **SUNDAY TIMES AND THE NEW YORK TIMES BESTSELLER 'An epoch-defining book' Matt Haig 'If you read just one work of non-fiction this year, it should probably be this' David Sexton, Evening Standard Selected as a Book of the Year 2019 by the Sunday Times, Spectator and New Statesman A Waterstones Paperback of the Year and shortlisted for the Foyles Book of the Year 2019 Longlisted for the PEN / E.O. Wilson Literary Science Writing Award** It is worse, much worse, than you think. The slowness of climate change is a fairy tale, perhaps as pernicious as the one that says it isn't happening at all, and if your anxiety about it is dominated by fears of sea-level rise, you are barely scratching the surface of what terrors are possible, even within the lifetime of a teenager today. Over the past decades, the term "Anthropocene" has climbed into the popular imagination - a name given to the geologic era we live in now, one defined by human intervention in the life of the planet. But however sanguine you might be about the proposition that we have ravaged the natural world, which we surely have, it is another thing entirely to consider the possibility that we have only provoked it, engineering first in ignorance and then in denial a climate system that will now go to war with us for many centuries, perhaps until it destroys us. In the meantime, it will remake us, transforming every aspect of the way we live-the planet no longer nurturing a dream of abundance, but a living nightmare.

Learning Theories

An Educational Perspective

Addison Wesley Longman An essential resource for understanding the main principles, concepts, and research findings of key theories of learning-especially as they relate to education-this proven text blends theory, research, and applications throughout, providing readers with a coherent and unified perspective on learning in educational settings. Key features of the text include: Vignettes at the start of each chapter illustrating some of the principles discussed in the chapter, examples and applications

throughout the chapters, and separate sections on instructional applications at the end of each chapter. A new chapter on Self-Regulation (Chapter 9). Core chapters on the neuroscience of learning (Chapter 2), constructivism (Chapter 6), cognitive learning processes (Chapter 7), motivation (Chapter 8), and development (Chapter 10) all related to teaching and learning. Updated sections on learning from technology and electronic media and how these advancements effectively promote learning in students (Chapters 7 & 10) Detailed content-area learning and models of instruction information form coherence and connection between teaching and learning in different content areas, learning principles, and processes (Chapters 2-10). Over 140 new references on the latest theoretical ideas, research findings, and applications in the field.

The Delphi Method

Techniques and Applications

Deep Listening

A Composer's Sound Practice

iUniverse **Deep Listening: A Composer's Sound Practice** offers an exciting guide to ways of listening and sounding. This book provides unique insights and perspectives for artists, students, teachers, mediators and anyone interested in how consciousness may be effected by profound attention to the sonic environment. Deep Listeningr is a practice created by composer Pauline Oliveros in order to enhance her own as well as other's listening skills. She teaches this practice worldwide in workshops, retreats and in her ground breaking Deep Listening classes at Rensselaer Polytechnic Institute and Mills College. Deep Listening practice is accessible to anyone with an interest in listening. Undergraduates with no musical training benefit from the practices and successfully engage in creative sound projects. Many report life changing effects from participating in the Deep Listening classes and retreats. Oliveros is recognized as a pioneer in electronic music and a leader in contemporary music as composer, performer, educator and author. Her works are performed internationally and her improvisational performances are documented extensively on recordings, in the literature and on the worldwide web.

Speculative Everything

Design, Fiction, and Social Dreaming

MIT Press How to use design as a tool to create not only things but ideas, to speculate about possible futures. Today designers often focus on making technology easy to use, sexy, and consumable. In *Speculative Everything*, Anthony Dunne and Fiona Raby propose a kind of design that is used as a tool to create not only things but ideas. For them, design is a means of speculating about how things could be—to imagine possible futures. This is not the usual sort of predicting or forecasting, spotting trends and extrapolating; these kinds of predictions have been proven wrong, again and again. Instead, Dunne and Raby pose “what if” questions that are intended to open debate and discussion about the kind of future people want (and do not want). *Speculative Everything* offers a tour through an emerging cultural landscape of design ideas, ideals, and approaches. Dunne and Raby cite examples from their own design and teaching and from other projects from fine art, design, architecture, cinema, and photography. They also draw on futurology, political theory, the philosophy of technology, and literary fiction. They show us, for example, ideas for a solar kitchen restaurant; a flypaper robotic clock; a menstruation machine; a cloud-seeding truck; a phantom-limb sensation recorder; and devices for food foraging that use the tools of synthetic biology. Dunne and Raby contend that if we speculate more—about everything—reality will become more malleable. The ideas freed by speculative design increase the odds of achieving desirable futures.

My Brief History

Random House 'His clarity, wit and determination are evident, his understand and good humour moving' **New Scientist** *My Brief History* recounts Stephen Hawking's improbable journey, from his post-war London boyhood to his years of international acclaim and celebrity. Lavishly illustrated with rarely seen photographs, this concise, witty and candid account introduces readers to a Hawking rarely glimpsed in previous books: the inquisitive schoolboy whose classmates nicknamed him 'Einstein'; the jokester who once placed a bet with a colleague over the existence of a black hole; and the young husband and father struggling to gain a foothold in the world of academia. Writing with characteristic humility and humour, Hawking opens up about the challenges that confronted him following his diagnosis of motor neurone disease aged twenty-one. Tracing his development as a thinker, he explains how the

prospect of an early death urged him onwards through numerous intellectual breakthroughs, and talks about the genesis of his masterpiece *A Brief History of Time* - one of the iconic books of the twentieth century. Clear-eyed, intimate and wise, *My Brief History* opens a window for the rest of us into Hawking's personal cosmos. 'Read it for the personal nuggets . . . but above all, it's worth reading for its message of hope' *Mail on Sunday*

Critical Theory Today

A User-Friendly Guide

Routledge Critical Theory Today is the essential introduction to contemporary critical theory. It provides clear, simple explanations and concrete examples of complex concepts, making a wide variety of commonly used critical theories accessible to novices without sacrificing any theoretical rigor or thoroughness. This new edition provides in-depth coverage of the most common approaches to literary analysis today: feminism, psychoanalysis, Marxism, reader-response theory, new criticism, structuralism and semiotics, deconstruction, new historicism, cultural criticism, lesbian/gay/queer theory, African American criticism, and postcolonial criticism. The chapters provide an extended explanation of each theory, using examples from everyday life, popular culture, and literary texts; a list of specific questions critics who use that theory ask about literary texts; an interpretation of F. Scott Fitzgerald's *The Great Gatsby* through the lens of each theory; a list of questions for further practice to guide readers in applying each theory to different literary works; and a bibliography of primary and secondary works for further reading.

Technical Thermodynamics for Engineers

Basics and Applications

Springer Thermodynamics is a subject that all engineering students have to face and that most of them treat with great respect. This makes it all the more important to offer a good and easy-to-understand approach to the laws of energy conversion. This is what this textbook is intended to do: It covers the basics of classical technical thermodynamics as they are typically taught at universities: The first and second law of thermodynamics as well as equations of state are explained for idealized and real fluids which are subject to a phase change. Thermodynamic mixtures, e.g. humid air, are treated as well as chemical reactions.

Components and thermodynamic cycle that convert energy are presented. The book attaches great importance to drawings and illustrations, which should make it easier to comprehend complex matter. Technical applications and apparatus are presented and explained. Numerous exercises and examples conclude the book and contribute to a better understanding of the theory.

Teacher Education in Physics Research, Curriculum, and Practice

The Physics Teacher Education Coalition (PhysTEC) is proud to bring together the first published collection of full-length peer-reviewed research papers on teacher education in physics. We hope that this work will help institutions consider ways to improve their education of physics and physical science teachers, and that research in this field can continue to grow and challenge or support the effectiveness of practices in K-12 teacher education.

When Computers Were Human

Princeton University Press Before Palm Pilots and iPods, PCs and laptops, the term "computer" referred to the people who did scientific calculations by hand. These workers were neither calculating geniuses nor idiot savants but knowledgeable people who, in other circumstances, might have become scientists in their own right. *When Computers Were Human* represents the first in-depth account of this little-known, 200-year epoch in the history of science and technology. Beginning with the story of his own grandmother, who was trained as a human computer, David Alan Grier provides a poignant introduction to the wider world of women and men who did the hard computational labor of science. His grandmother's casual remark, "I wish I'd used my calculus," hinted at a career deferred and an education forgotten, a secret life unappreciated; like many highly educated women of her generation, she studied to become a human computer because nothing else would offer her a place in the scientific world. The book begins with the return of Halley's comet in 1758 and the effort of three French astronomers to compute its orbit. It ends four cycles later, with a UNIVAC electronic computer projecting the 1986 orbit. In between, Grier tells us about the surveyors of the French Revolution, describes the calculating machines of Charles Babbage, and guides the reader through the Great Depression to marvel at the giant computing room of the Works Progress Administration. *When Computers Were Human* is the sad but lyrical story of workers who gladly did the hard labor of research calculation in the hope that they might be part of the scientific community. In the end, they were rewarded by a new electronic machine that took the

place and the name of those who were, once, the computers.

Merchants of Doubt

How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming

A&C Black The U.S. scientific community has long led the world in research on such areas as public health, environmental science, and issues affecting quality of life. These scientists have produced landmark studies on the dangers of DDT, tobacco smoke, acid rain, and global warming. But at the same time, a small yet potent subset of this community leads the world in vehement denial of these dangers. *Merchants of Doubt* tells the story of how a loose-knit group of high-level scientists and scientific advisers, with deep connections in politics and industry, ran effective campaigns to mislead the public and deny well-established scientific knowledge over four decades. Remarkably, the same individuals surface repeatedly—some of the same figures who have claimed that the science of global warming is "not settled" denied the truth of studies linking smoking to lung cancer, coal smoke to acid rain, and CFCs to the ozone hole. "Doubt is our product," wrote one tobacco executive. These "experts" supplied it. Naomi Oreskes and Erik M. Conway, historians of science, roll back the rug on this dark corner of the American scientific community, showing how ideology and corporate interests, aided by a too-compliant media, have skewed public understanding of some of the most pressing issues of our era.

Parentology

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

Simon and Schuster 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.

The Quest for Artificial Intelligence

Cambridge University Press Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

Sport and Exercise Psychology

A Critical Introduction

Psychology Press Sport and exercise psychology is a rapidly expanding field both academically and professionally. Aidan Moran provides the first textbook to combine an explanation of the theoretical foundations of sport

and exercise psychology with critical reviews of contemporary research and practical suggestions for relevant independent research projects. Arranged in four complementary parts, the book moves from a general discussion of the nature and role of sport psychology to explorations of individual, group and health factors affecting performance. Designed to encourage students to apply their psychological knowledge and critical thinking abilities, each chapter features a summary and boxed highlights containing questions to help students gain maximum understanding of the material.

The Ecology of Human Development

Harvard University Press

Magnetic Resonance Imaging

Elsevier Health Sciences Dette er en grundlæggende lærebog om konventionel MRI samt billedteknik. Den begynder med et overblik over elektricitet og magnetisme, herefter gives en dybtgående forklaring på hvordan MRI fungerer og her diskuteres de seneste metoder i radiografisk billedtagning, patientsikkerhed m.v.

Historical Painting Techniques, Materials, and Studio Practice

Preprints of a Symposium, University of Leiden, the Netherlands, 26–29 June 1995

Getty Publications Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions

throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

English as a Global Language

Cambridge University Press David Crystal's classic *English as a Global Language* considers the history, present status and future of the English language, focusing on its role as the leading international language. English has been deemed the most 'successful' language ever, with 1500 million speakers internationally, presenting a difficult task to those who wish to investigate it in its entirety. However, Crystal explores the subject in a measured but engaging way, always backing up observations with facts and figures. Written in a detailed and fascinating manner, this is a book written by an expert both for specialists in the subject and for general readers interested in the English language.

Criminology: The Key Concepts

Routledge *Criminology: The Key Concepts* is an authoritative and comprehensive study guide and reference resource that will take you through all the concepts, approaches, issues and institutions central to the study of crime in contemporary society. Topics covered in this easy to use A-Z guide include: policing, sentencing and the justice system types of crime, including corporate crime, cybercrime, sex and hate crimes feminist, marxist and cultural approaches to criminology terrorism, state crime, war crimes and human rights social issues such as anti-social behaviour, domestic violence and pornography criminal psychology and deviance Fully cross-referenced, with extensive suggestions for further reading and in-depth study of the topics discussed, this is an essential reference guide for students of Criminology at all levels.

The Handbook of Communication Skills

Routledge *The Handbook of Communication Skills* is recognised as one of the core texts in the field of communication, offering a state-of-the-art overview of this rapidly evolving field of study. This comprehensively

revised and updated fourth edition arrives at a time when the realm of interpersonal communication has attracted immense attention. Recent research showing the potency of communication skills for success in many walks of life has stimulated considerable interest in this area, both from academic researchers, and from practitioners whose day-to-day work is so dependent on effective social skills. Covering topics such as non-verbal behaviour, listening, negotiation and persuasion, the book situates communication in a range of different contexts, from interacting in groups to the counselling interview. Based on the core tenet that interpersonal communication can be conceptualised as a form of skilled activity, and including new chapters on cognitive behavioural therapy and coaching and mentoring, this new edition also places communication in context with advances in digital technology. The Handbook of Communication Skills represents the most significant single contribution to the literature in this domain. Providing a rich mine of information for the neophyte and practising professional, it is perfect for use in a variety of contexts, from theoretical mainstream communication modules on degree programmes to vocational courses in health, business and education. With contributions from an internationally renowned range of scholars, this is the definitive text for students, researchers and professionals alike.

The Fingerprint

Sourcebook

CreateSpace The idea of The Fingerprint Sourcebook originated during a meeting in April 2002. Individuals representing the fingerprint, academic, and scientific communities met in Chicago, Illinois, for a day and a half to discuss the state of fingerprint identification with a view toward the challenges raised by Daubert issues. The meeting was a joint project between the International Association for Identification (IAI) and West Virginia University (WVU). One recommendation that came out of that meeting was a suggestion to create a sourcebook for friction ridge examiners, that is, a single source of researched information regarding the subject. This sourcebook would provide educational, training, and research information for the international scientific community.

How Things Are

A Science Tool-Kit for the Mind

Harper Perennial Essays discuss science, the origin of the universe, evolution, the mind, communication, symmetry, and the future of the human species

The Greatest Adventure

A History of Human Space Exploration

Reaktion Books *The Greatest Adventure* explores the past, present, and future of the space race. The space race was perhaps the greatest technological contest of the twentieth century. It was a thrilling era of innovation, discovery, and exploration, as astronauts and cosmonauts were launched on space missions of increasing length, complexity, and danger. *The Greatest Adventure* traces the events of this extraordinary period, describing the initial string of Soviet achievements: the first satellite in orbit; the first animal, man, and woman in space; the first spacewalk; as well as the ultimate US victory in the race to land on the moon. The book then takes the reader on a journey through the following decades of space exploration to the present time, detailing the many successes, tragedies, risks, and rewards of space exploration.