

The Code The Science Of Secrecy From Ancient Egypt To Quantum Cryptography

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Breaking the Code - J. Richard Gentry 2006
If only we could understand that seemingly inexplicable moment when children suddenly "get" reading. Then our instruction could be

directed toward creating those specific circumstances which help every student recognize the pattern of meaning behind the marks on a page. Now, thanks to Richard

Gentry's *Breaking the Code*, we can. In his most important book to date, Gentry combines cutting-edge, brain-based research with sound classroom knowledge to explore early literacy development. Starting with the crucial interrelationship of reading and writing, he looks inside and out at the minds of emerging readers to find out how they construct the idea and process of reading. Then he presents a blueprint for instruction and early intervention that combines his new findings with best-practice teaching. His comprehensive instructional model focuses on building the specific skills, capacities, and experiences kids need by teaching them to write as they learn to read. Gentry gives you everything you need to implement successful beginning reading strategies as well as a variety of effective tips for supporting readers and writers throughout the primary grades. Writing with the same clarity and teacher-friendly approach as in his best-selling *The Science of Spelling*, Richard Gentry will show you how

scientific thinking and student-centered teaching can work together to create powerful literacy instructional practices. Let *Breaking the Code* open a window for you into the minds of young readers, so that you can open a window for them into a world of literate possibilities.

[Life Code Second Edition - The Vedic Science of Life](#) - SWAMI RAM CHARRAN 2011-01-18

What if you could pick the right home for successful living? What if you can pick the perfect partner for love and marriage? What if you can know which car you will enjoy the most? What if your can know if you are in the right career? What if you could tell what tomorrow would be like? And so on. Would life not be easier if you could know how safe your children are at anytime? Would you not worry less if you know your partner will never be unfaithful? How great it would be to know that you will win a court case or a contract deal?

[Living the Confidence Code](#) - Katty Kay
2021-02-23

AN INSTANT #1 NEW YORK TIMES BESTSELLER! New from the New York Times, USA Today, and Wall Street Journal bestselling authors of *The Confidence Code for Girls!* The best way to understand confidence is to see it in action. That's why bestselling authors Katty Kay, Claire Shipman, and JillEllyn Riley have collected 30 true stories of real girls, pursuing their passions, struggling and stumbling, but along the way figuring out how to build their own special brand of confidence. From Bali to Brazil, South Africa to Seattle, Australia to Afghanistan, these girls took risks, doubted themselves, and sometimes failed. But they also hung in there when things got hard. Along the way they discovered what matters to them: everything from protesting contaminated water to championing inclusive books to the accessibility of girls' basketball shoes, and so much more. Different goals, different stories, different personalities, all illustrating the multitude of ways to be confident in the world.

Packed with photos, graphic novel strips, and engaging interviews, *Living the Confidence Code* proves that no matter who you are, or how old you are, nothing is out of reach when you decide to try. Join this growing global community of powerful girls and imagine—what would you like to do, once you tap into your confidence? How will you write your story?

[Hacking the Code of Life](#) - Nessa Carey
2019-03-07

'An excellent, brisk guide to what is likely to happen as opposed to the fantastically remote.' - Los Angeles Review of Books
In 2018 the world woke up to gene editing with a storm of controversy over twin girls born in China with genetic changes deliberately introduced by scientists - changes they will pass on to their own offspring. Genetic modification (GM) has been with us for 45 years now, but the new system known as CRISPR or gene editing can manipulate the genes of almost any organism with a degree of precision, ease and speed that

we could only dream of ten years ago. But is it ethical to change the genetic material of organisms in a way that might be passed on to future generations? If a person is suffering from a lethal genetic disease, is it unethical to deny them this option? Who controls the application of this technology, when it makes 'biohacking' - perhaps of one's own genome - a real possibility? Nessa Carey's book is a thrilling and timely snapshot of a cutting-edge technology that will radically alter our futures and the way we prevent disease. 'A focused snapshot of a brave new world.' - Nature 'A brisk, accessible primer on the fast-moving field, a clear-eyed look at a technology that is already driving major scientific advances - and raising complex ethical questions.' - Emily Anthes, Undark

Cracking the Aging Code - Josh Mitteldorf
2016-06-14

"Theoretical biologist Josh Mitteldorf and ... ecological philosopher Dorion Sagan [posit] that evolution and aging are even more complex and

breathtaking than we originally thought. Using ... multidisciplinary science, as well as reviewing the history of our understanding about evolution, this book makes the case that aging is not something that 'just happens, ' nor is it the result of wear and tear or a genetic inevitability. Rather, aging has a fascinating evolutionary purpose: to stabilize populations and ecosystems, which are ever-threatened by cyclic swings that can lead to extinction"--

Data-Driven Science and Engineering - Steven L. Brunton 2022-05-05

A textbook covering data-science and machine learning methods for modelling and control in engineering and science, with Python and MATLAB®.

Spy Science - Jim Wiese 1996-09-21

Sh-h-h-h-h-h!! Top Secret... Crack the code of superspy science fun! Make your own spy sunglasses * Write messages with invisible ink * Hook up a secret alarm, and much more!
Discover how spies use science to keep--or

uncover--top secrets. Learn how to go under cover, master Morse code, and even build devices to see and hear through walls! These and dozens of other fun-filled activities give you an inside look at the science behind spy gadgets and tricks of the trade. All the activities are completely safe and can be done with everyday stuff from around the house.

Who Wrote the Book of Life? - Lily E. Kay
2000

This is a detailed history of one of the most important and dramatic episodes in modern science, recounted from the novel vantage point of the dawn of the information age and its impact on representations of nature, heredity, and society. Drawing on archives, published sources, and interviews, the author situates work on the genetic code (1953-70) within the history of life science, the rise of communication technosciences (cybernetics, information theory, and computers), the intersection of molecular biology with cryptanalysis and linguistics, and

the social history of postwar Europe and the United States. Kay draws out the historical specificity in the process by which the central biological problem of DNA-based protein synthesis came to be metaphorically represented as an information code and a writing technology—and consequently as a “book of life.” This molecular writing and reading is part of the cultural production of the Nuclear Age, its power amplified by the centuries-old theistic resonance of the “book of life” metaphor. Yet, as the author points out, these are just metaphors: analogies, not ontologies. Necessary and productive as they have been, they have their epistemological limitations. Deploying analyses of language, cryptology, and information theory, the author persuasively argues that, technically speaking, the genetic code is not a code, DNA is not a language, and the genome is not an information system (objections voiced by experts as early as the 1950s). Thus her historical reconstruction and analyses also serve as a

critique of the new genomic biopower. Genomic textuality has become a fact of life, a metaphor literalized, she claims, as human genome projects promise new levels of control over life through the meta-level of information: control of the word (the DNA sequences) and its editing and rewriting. But the author shows how the humbling limits of these scriptural metaphors also pose a challenge to the textual and material mastery of the genomic □book of life.□

Code Simplicity - Max Kanat-Alexander
2012-03-23

Good software design is simple and easy to understand. Unfortunately, the average computer program today is so complex that no one could possibly comprehend how all the code works. This concise guide helps you understand the fundamentals of good design through scientific laws—principles you can apply to any programming language or project from here to eternity. Whether you're a junior programmer, senior software engineer, or non-technical

manager, you'll learn how to create a sound plan for your software project, and make better decisions about the pattern and structure of your system. Discover why good software design has become the missing science Understand the ultimate purpose of software and the goals of good design Determine the value of your design now and in the future Examine real-world examples that demonstrate how a system changes over time Create designs that allow for the most change in the environment with the least change in the software Make easier changes in the future by keeping your code simpler now Gain better knowledge of your software's behavior with more accurate tests

The Code Breaker - Walter Isaacson
2021-03-09

A Best Book of 2021 by Bloomberg BusinessWeek, Time, and The Washington Post The bestselling author of Leonardo da Vinci and Steve Jobs returns with a “compelling” (The Washington Post) account of how Nobel Prize

winner Jennifer Doudna and her colleagues launched a revolution that will allow us to cure diseases, fend off viruses, and have healthier babies. When Jennifer Doudna was in sixth grade, she came home one day to find that her dad had left a paperback titled *The Double Helix* on her bed. She put it aside, thinking it was one of those detective tales she loved. When she read it on a rainy Saturday, she discovered she was right, in a way. As she sped through the pages, she became enthralled by the intense drama behind the competition to discover the code of life. Even though her high school counselor told her girls didn't become scientists, she decided she would. Driven by a passion to understand how nature works and to turn discoveries into inventions, she would help to make what the book's author, James Watson, told her was the most important biological advance since his codiscovery of the structure of DNA. She and her collaborators turned a curiosity of nature into an invention that will

transform the human race: an easy-to-use tool that can edit DNA. Known as CRISPR, it opened a brave new world of medical miracles and moral questions. The development of CRISPR and the race to create vaccines for coronavirus will hasten our transition to the next great innovation revolution. The past half-century has been a digital age, based on the microchip, computer, and internet. Now we are entering a life-science revolution. Children who study digital coding will be joined by those who study genetic code. Should we use our new evolution-hacking powers to make us less susceptible to viruses? What a wonderful boon that would be! And what about preventing depression? Hmm...Should we allow parents, if they can afford it, to enhance the height or muscles or IQ of their kids? After helping to discover CRISPR, Doudna became a leader in wrestling with these moral issues and, with her collaborator Emmanuelle Charpentier, won the Nobel Prize in 2020. Her story is an "enthraling detective

story” (Oprah Daily) that involves the most profound wonders of nature, from the origins of life to the future of our species.

The Code of Capital - Katharina Pistor

2020-11-03

"Capital is the defining feature of modern economies, yet most people have no idea where it actually comes from. What is it, exactly, that transforms mere wealth into an asset that automatically creates more wealth? The Code of Capital explains how capital is created behind closed doors in the offices of private attorneys, and why this little-known fact is one of the biggest reasons for the widening wealth gap between the holders of capital and everybody else. In this revealing book, Katharina Pistor argues that the law selectively "codes" certain assets, endowing them with the capacity to protect and produce private wealth. With the right legal coding, any object, claim, or idea can be turned into capital - and lawyers are the keepers of the code. Pistor describes how they

pick and choose among different legal systems and legal devices for the ones that best serve their clients' needs, and how techniques that were first perfected centuries ago to code landholdings as capital are being used today to code stocks, bonds, ideas, and even expectations--assets that exist only in law. A powerful new way of thinking about one of the most pernicious problems of our time, The Code of Capital explores the different ways that debt, complex financial products, and other assets are coded to give financial advantage to their holders. This provocative book paints a troubling portrait of the pervasive global nature of the code, the people who shape it, and the governments that enforce it."--Provided by publisher.

Cracking the Learning Code - J. W. Wilson

2021-06-20

Discover the New Scientific Approach That is Transforming How the World Learns and Changes Behaviors. *Cracking the Learning Code*

is a disruptive book that will completely transform your beliefs about how you learn and change behaviors, so you can reach your goals and live the life of your dreams. This easy-to-read compendium takes a deep dive into how our outdated learning strategies prevent us from living up to our own expectations and what we can do about it. Based on over thirty years of research, it is 725 pages of the world's most comprehensive reference source that unravels the mystery behind how you can more quickly learn, remember, and change. The Learning Code's cutting-edge scientific approach supports you to rapidly log information into your brain, so it is more easily retained and recalled, which allows you to live a more joyful, fulfilled, and meaningful life. Plus, this knowledge can help you have a more dramatic impact on your work, and in the world. We took a unique approach. You don't have to read the whole book to get what you need. Once a general understanding of a topic is presented, you will see special icons.

They alert you when a chapter will start to go deeper into the science. Here you have a choice. You can either skip to the next topic or you can read deeper to gain a more profound view of that subject, the science behind it, and the effect it is having upon you. The Learning Code is the holy grail in the field of education and behavioral change. This knowledge needs to be available worldwide. -Dr. Jeanette Vos
Cofounder, National Institute for Teaching Excellence, Coauthor, The Learning Revolution
Cracking the Learning Code is the reference source for this new revolutionary approach to learning. This new way of learning enables you to easily solidify information into your long-term memory so you can retain it longer and recall it faster.

The Code of Codes - Daniel J. Kevles 1992
The ultimate goal of the pioneering project outlined in this book is to map our genome--the key to what makes us human--in detail. The Code of Codes is a collective exploration of the

substance and possible consequences of this project in relation to ethics, law, and society. *No Code Required* - Allen Cypher 2010-05-21

No Code Required presents the various design, system architectures, research methodologies, and evaluation strategies that are used by end users programming on the Web. It also presents the tools that will allow users to participate in the creation of their own Web. Comprised of seven parts, the book provides basic information about the field of end-user programming. Part 1 points out that the Firefox browser is one of the differentiating factors considered for end-user programming on the Web. Part 2 discusses the automation and customization of the Web. Part 3 covers the different approaches to proposing a specialized platform for creating a new Web browser. Part 4 discusses three systems that focus on the customized tools that will be used by the end users in exploring large amounts of data on the Web. Part 5 explains the role of natural language in the end-user programming

systems. Part 6 provides an overview of the assumptions on the accessibility of the Web site owners of the Web content. Lastly, Part 7 offers the idea of the Web-active end user, an individual who is seeking new technologies. The first book since Web 2.0 that covers the latest research, development, and systems emerging from HCI research labs on end user programming tools. Featuring contributions from the creators of Adobe's Zoetrope and Intel's Mash Maker, discussing test results, implementation, feedback, and ways forward in this booming area

Code Girls - Liza Mundy 2017-10-10

The award-winning New York Times bestseller about the American women who secretly served as codebreakers during World War II--a "prodigiously researched and engrossing" (New York Times) book that "shines a light on a hidden chapter of American history" (Denver Post). Recruited by the U.S. Army and Navy from small towns and elite colleges, more than ten thousand

women served as codebreakers during World War II. While their brothers and boyfriends took up arms, these women moved to Washington and learned the meticulous work of code-breaking. Their efforts shortened the war, saved countless lives, and gave them access to careers previously denied to them. A strict vow of secrecy nearly erased their efforts from history; now, through dazzling research and interviews with surviving code girls, bestselling author Liza Mundy brings to life this riveting and vital story of American courage, service, and scientific accomplishment.

The Art and Science of Analyzing Software Data - Christian Bird 2015-09-02

The Art and Science of Analyzing Software Data provides valuable information on analysis techniques often used to derive insight from software data. This book shares best practices in the field generated by leading data scientists, collected from their experience training software engineering students and practitioners to master

data science. The book covers topics such as the analysis of security data, code reviews, app stores, log files, and user telemetry, among others. It covers a wide variety of techniques such as co-change analysis, text analysis, topic analysis, and concept analysis, as well as advanced topics such as release planning and generation of source code comments. It includes stories from the trenches from expert data scientists illustrating how to apply data analysis in industry and open source, present results to stakeholders, and drive decisions. Presents best practices, hints, and tips to analyze data and apply tools in data science projects Presents research methods and case studies that have emerged over the past few years to further understanding of software data Shares stories from the trenches of successful data science initiatives in industry

The Confidence Code - Katty Kay 2014-04-15
Following the success of *Lean In* and *Why Women Should Rule the World*, the authors of

the bestselling *Womenomics* provide an informative and practical guide to understanding the importance of confidence—and learning how to achieve it—for women of all ages and at all stages of their career. Working women today are better educated and more well qualified than ever before. Yet men still predominate in the corporate world. In *The Confidence Code*, Claire Shipman and Katty Kay argue that the key reason is confidence. Combining cutting-edge research in genetics, gender, behavior, and cognition—with examples from their own lives and those of other successful women in politics, media, and business—Kay and Shipman go beyond admonishing women to "lean in." Instead, they offer the inspiration and practical advice women need to close the gap and achieve the careers they want and deserve.

Classic Computer Science Problems in Python -

David Kopec 2019-03-05

"Highly recommended to everyone interested in deepening their understanding of Python and

practical computer science." —Daniel Kenney-Jung, MD, University of Minnesota Key Features Master formal techniques taught in college computer science classes Connect computer science theory to real-world applications, data, and performance Prepare for programmer interviews Recognize the core ideas behind most "new" challenges Covers Python 3.7 Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Programming problems that seem new or unique are usually rooted in well-known engineering principles. *Classic Computer Science Problems in Python* guides you through time-tested scenarios, exercises, and algorithms that will prepare you for the "new" problems you'll face when you start your next project. In this amazing book, you'll tackle dozens of coding challenges, ranging from simple tasks like binary search algorithms to clustering data using k-means. As you work through examples for web

development, machine learning, and more, you'll remember important things you've forgotten and discover classic solutions that will save you hours of time. What You Will Learn Search algorithms Common techniques for graphs Neural networks Genetic algorithms Adversarial search Uses type hints throughout This Book Is Written For For intermediate Python programmers. About The Author David Kopec is an assistant professor of Computer Science and Innovation at Champlain College in Burlington, Vermont. He is the author of Dart for Absolute Beginners (Apress, 2014), Classic Computer Science Problems in Swift (Manning, 2018), and Classic Computer Science Problems in Java (Manning, 2020) Table of Contents Small problems Search problems Constraint-satisfaction problems Graph problems Genetic algorithms K-means clustering Fairly simple neural networks Adversarial search Miscellaneous problems

Code Complete - Steve McConnell 2004-06-09

Widely considered one of the best practical guides to programming, Steve McConnell's original CODE COMPLETE has been helping developers write better software for more than a decade. Now this classic book has been fully updated and revised with leading-edge practices—and hundreds of new code samples—illustrating the art and science of software construction. Capturing the body of knowledge available from research, academia, and everyday commercial practice, McConnell synthesizes the most effective techniques and must-know principles into clear, pragmatic guidance. No matter what your experience level, development environment, or project size, this book will inform and stimulate your thinking—and help you build the highest quality code. Discover the timeless techniques and strategies that help you: Design for minimum complexity and maximum creativity Reap the benefits of collaborative development Apply defensive programming techniques to reduce

and flush out errors Exploit opportunities to refactor—or evolve—code, and do it safely Use construction practices that are right-weight for your project Debug problems quickly and effectively Resolve critical construction issues early and correctly Build quality into the beginning, middle, and end of your project

The Longevity Code - Kris Verburgh 2019-12-24
Slow down the aging process and live well for longer Do you know exactly how and why you age? And what you can do— whatever your current age—to slow that process and have a longer, healthier life? In *The Longevity Code*, medical doctor Kris Verburgh illuminates the biological mechanisms that make our bodies susceptible to heart attacks, dementia, diabetes, and other aging-related diseases. With the facts laid out, he provides the tools we need to slow down the aging process. His scientifically backed Longevity Staircase outlines a simple yet innovative step-by-step method offering better health and a longer life span- especially the

crucial role of proper nutrition and exercise. But diet and exercise might not be the only way to crack the “longevity code”: With each passing day, advances in biotechnology that were once the stuff of science fiction are emerging. Dr. Verburgh discusses how new types of vaccines, mitochondrial DNA, CRISPR proteins, and stem cells may help us slow and even reverse aging—now and in the future—and when paired with the right lifestyle, lead to longer, healthier lives than we’ve ever imagined.

Anyone Can Code - Ali Arya 2020-11-23
Anyone Can Code: The Art and Science of Logical Creativity introduces computer programming as a way of problem-solving through logical thinking. It uses the notion of modularization as a central lens through which we can make sense of many software concepts. This book takes the reader through fundamental concepts in programming by illustrating them in three different and distinct languages: C/C++, Python, and Javascript. Key features: Focuses on

problem-solving and algorithmic thinking instead of programming functions, syntax, and libraries. Includes engaging examples, including video games and visual effects. Provides exercises and reflective questions. This book gives beginner and intermediate learners a strong understanding of what they are doing so that they can do it better and with any other tool or language that they may end up using later. Sample code is available on the author's website.

Understanding How We Learn - Yana Weinstein
2018-08-22

Educational practice does not, for the most part, rely on research findings. Instead, there's a preference for relying on our intuitions about what's best for learning. But relying on intuition may be a bad idea for teachers and learners alike. This accessible guide helps teachers to integrate effective, research-backed strategies for learning into their classroom practice. The book explores exactly what constitutes good

evidence for effective learning and teaching strategies, how to make evidence-based judgments instead of relying on intuition, and how to apply findings from cognitive psychology directly to the classroom. Including real-life examples and case studies, FAQs, and a wealth of engaging illustrations to explain complex concepts and emphasize key points, the book is divided into four parts: Evidence-based education and the science of learning Basics of human cognitive processes Strategies for effective learning Tips for students, teachers, and parents. Written by "The Learning Scientists" and fully illustrated by Oliver Caviglioli, *Understanding How We Learn* is a rejuvenating and fresh examination of cognitive psychology's application to education. This is an essential read for all teachers and educational practitioners, designed to convey the concepts of research to the reality of a teacher's classroom.

Code as Creative Medium - Golan Levin
2021-02-02

An essential guide for teaching and learning computational art and design: exercises, assignments, interviews, and more than 170 illustrations of creative work. This book is an essential resource for art educators and practitioners who want to explore code as a creative medium, and serves as a guide for computer scientists transitioning from STEM to STEAM in their syllabi or practice. It provides a collection of classic creative coding prompts and assignments, accompanied by annotated examples of both classic and contemporary projects, and more than 170 illustrations of creative work, and features a set of interviews with leading educators. Picking up where standard programming guides leave off, the authors highlight alternative programming pedagogies suitable for the art- and design-oriented classroom, including teaching approaches, resources, and community support structures.

The Creativity Code - Marcus Du Sautoy

2020-03-03

“A brilliant travel guide to the coming world of AI.” —Jeanette Winterson What does it mean to be creative? Can creativity be trained? Is it uniquely human, or could AI be considered creative? Mathematical genius and exuberant polymath Marcus du Sautoy plunges us into the world of artificial intelligence and algorithmic learning in this essential guide to the future of creativity. He considers the role of pattern and imitation in the creative process and sets out to investigate the programs and programmers—from Deep Mind and the Flow Machine to Botnik and WHIM—who are seeking to rival or surpass human innovation in gaming, music, art, and language. A thrilling tour of the landscape of invention, The Creativity Code explores the new face of creativity and the mysteries of the human code. “As machines outsmart us in ever more domains, we can at least comfort ourselves that one area will remain sacrosanct and uncomputable: human creativity.

Or can we?...In his fascinating exploration of the nature of creativity, Marcus du Sautoy questions many of those assumptions.” —Financial Times
“Fascinating...If all the experiences, hopes, dreams, visions, lusts, loves, and hatreds that shape the human imagination amount to nothing more than a ‘code,’ then sooner or later a machine will crack it. Indeed, du Sautoy assembles an eclectic array of evidence to show how that’s happening even now.” —The Times
The Premonition Code - Theresa Cheung
2018-10-16

An in-depth study into the cutting-edge science of ‘sensing’ the future, or precognition—from a cognitive neuroscientist and the bestselling author of *The Dream Dictionary* In this groundbreaking book, bestselling author Theresa Cheung joins forces with cognitive neuroscientist Julia Mossbridge, PhD, Director of the Innovation Lab at The Institute of Noetic Sciences (IONS). Together they reveal revolutionary new research showing that

sensing the future is possible; they also provide practical tools and techniques you can use to develop your own powers of precognition. Precognition is the scientific name for the knowledge or perception of the future, obtained through extrasensory means. Often called ‘premonition’, precognition is the most frequently reported of all extrasensory perception (ESP) experiences, occurring most often in dreams. It may also occur spontaneously in waking visions, auditory hallucinations, flashing thoughts entering the mind, the sense of “knowing” and physiological changes. Combining science and practice, Theresa and Dr Julia unravel the mystery of precognition. The book will cover: • What precognition is and the different types, clearly explaining the cutting-edge science, including what is known and what is still a mystery • The most common premonitions that people experience and why, including examples from around the world • Experimental tools to help you cultivate

precognition experiences to help get useful information for your life • Case studies included throughout, with supporting scientific evidence offered alongside to provide validation and explanation • Personal experiences of the authors, detailing how premonition has shaped their lives and interviews with leading scientists and experts in the field

Public Policy Analytics - Ken Steif 2021-08-19
Public Policy Analytics: Code & Context for Data Science in Government teaches readers how to address complex public policy problems with data and analytics using reproducible methods in R. Each of the eight chapters provides a detailed case study, showing readers: how to develop exploratory indicators; understand 'spatial process' and develop spatial analytics; how to develop 'useful' predictive analytics; how to convey these outputs to non-technical decision-makers through the medium of data visualization; and why, ultimately, data science and 'Planning' are one and the same. A

graduate-level introduction to data science, this book will appeal to researchers and data scientists at the intersection of data analytics and public policy, as well as readers who wish to understand how algorithms will affect the future of government.

The Code Book: The Secrets Behind Codebreaking - Simon Singh 2002-05-14
"As gripping as a good thriller." --The Washington Post Unpack the science of secrecy and discover the methods behind cryptography--the encoding and decoding of information--in this clear and easy-to-understand young adult adaptation of the national bestseller that's perfect for this age of WikiLeaks, the Sony hack, and other events that reveal the extent to which our technology is never quite as secure as we want to believe. Coders and codebreakers alike will be fascinated by history's most mesmerizing stories of intrigue and cunning--from Julius Caesar and his Caesar cipher to the Allies' use of the Enigma machine to decode German

messages during World War II. Accessible, compelling, and timely, The Code Book is sure to make readers see the past--and the future--in a whole new way. "Singh's power of explaining complex ideas is as dazzling as ever." --The Guardian

The Basic Code of the Universe - Massimo Citro 2011-07-26

Explains the universal information code connecting every person, plant, animal, and mineral and its applications in science, health care, and cosmic unity • Examines research on consciousness, quantum physics, animal and plant intelligence, emotional fields, Kirlian photography, and the effects of thoughts, emotions, and music on water • Reveals the connections between the work of Ervin Laszlo on the Akashic field, Rupert Sheldrake on morphogenetic fields, Richard Gerber on vibrational medicine, and Masaru Emoto on the memory of water DNA dictates the physical features of an organism. But what dictates how

something grows--from the division of cells in a human being to the fractal patterns of a crystal? Massimo Citro reveals that behind the complex world of Nature lies a basic code, a universal information field--also known as the Akashic field, which records all that was, is, and will be--that directs not only physical development and behavior but also energetic communication and interactions among all living and non-living things. The author examines research on consciousness, quantum physics, animal and plant intelligence, the power of intention, emotional fields, Kirlian photography, and the effects of thoughts, emotions, and music on water. Linking the work of Ervin Laszlo on the Akashic field, Rupert Sheldrake on morphogenetic fields, Richard Gerber on vibrational medicine, and Masaru Emoto on the memory of water, Citro shows how the universal information field connects every person, plant, animal, and mineral--a concept long known by shamans and expounded by perennial wisdom.

Putting this science of the invisible to practical use, he explains his revolutionary system of vibrational medicine, known as TFF, which uses the information field to obtain the benefits of natural substances and medications in their “pure” informational form, offering side-effect-free remedies for health and well-being.

Cryptanalysis - Helen F. Gaines 2014-11-18
Thorough, systematic introduction to serious cryptography, especially strong in modern forms of cipher solution used by experts. Simple and advanced methods. 166 specimens to solve — with solutions.

Enhancing Science Education - Margaret A.L. Blackie 2022-08-15

This book helps meet an urgent need for theorized, accessible and discipline-sensitive publications to assist science, technology, engineering and mathematics educators. The book introduces Legitimation Code Theory (LCT) and demonstrates how it can be used to improve teaching and learning in tertiary courses across

the sciences. LCT provides a suite of tools which science educators can employ in order to help their students grasp difficult and dense concepts. The chapters cover a broad range of subjects, including biology, physics, chemistry and mathematics, as well as different curriculum, pedagogy and assessment practices. This is a crucial resource for any science educator who wants to better understand and improve their teaching.

The Football Code - James Tippett 2017-09-06
The Football Code outlines an innovative, ground-breaking philosophy that will change the way you watch the beautiful game. In a sport which is so largely dictated by randomness, how can we accurately assess the performance of teams, players and managers? How can we tell who is good and who is simply lucky? The Football Code teaches how a more scientific approach can eradicate the damaging effects of chance, leaving a clearer image of what is actually happening on the field of play. Only

then can managers sign better players. Only then can pundits offer better judgements. Only then can fans compile better fantasy football teams. This book addresses the intrinsic errors and inefficiencies which plague the sport, whilst at the same time revealing the top secret methods that professional gambling syndicates use to predict future outcomes. Above all, it discloses the top secret, data-driven system that one football mastermind has used to make millions in the betting markets, and that has allowed the Championship team he owns to punch spectacularly above its financial weight. Football has finally found it's answer to baseball's 'Moneyball'. "Any fan who doesn't read this book will be left behind." - William Lund. "Unveils a revolutionary approach to the transfer market. Truly exceptional." - FootballNow. "A masterclass. The sport of football will never be the same again" - Levi Janssen.

The Authenticity Code - Dr. Sharon Lamm-

Hartman 2021-10-18

In Life and Work, You Can't Fake It to Make It. The Authenticity Code™ combines the best of a page-turner parable and a practical tool business book to deliver encouragement and proven tools for cracking the code to becoming a more authentic professional or leader. When you become more authentic, you do what you came here to do and be who you came here to be. You communicate more effectively, and the success you desire in your life and career becomes achievable. Dr. Sharon teaches in a fun, engaging, and honest parable style, and at the end of each chapter, you apply her proven practical tools to your own life and career. The effectiveness of these tools is proven from the over 20 years that Dr. Sharon's company, Inside-Out Learning, has been teaching them to their Fortune 500, mid-, and small-size business clients. Results across thousands of clients include getting promoted, landing a dream job, significantly increasing sales and revenue,

developing confidence and loyalty, greatly enhancing professional, leadership, and communication skills, and improving your personal life. The promotion rate for individuals is 50-80% within a year of completing one of Inside Out Learning's 3- to 5-day programs. Now you have the opportunity to achieve these exceptional results in an easy-to-read book format. The Authenticity Code™ tells the story of a fictional corporate vice president choosing a sales director from two talented protégés. After they present their cases, he realizes that neither of them is impressive enough to qualify. Instead of giving up, the leader sets out to teach his candidates what they need to know via The Authenticity Code™ Program. Like the candidates in the book, you, the reader, will learn to look within yourself and decide who you truly are and what you really want from life and work—and how to go about getting it. Now Dr. Sharon encourages you to enjoy the parable, apply the tools, develop your own authentic

brand statement, and achieve the success you desire.

The Science of Secrecy - Simon Singh 2000
A TV tie-in edition of *The Code Book* filmed as a prime-time five-part Channel 4 series on the history of codes and code-breaking and presented by the author. This book, which accompanies the major Channel 4 series, brings to life the hidden history of codes and code breaking. Since the birth of writing, there has also been the need for secrecy. The story of codes is the story of the brilliant men and women who used mathematics, linguistics, machines, computers, gut instinct, logic and detective work to encrypt and break these secret messages and the effect their work has had on history.

R for Data Science - Hadley Wickham
2016-12-12

Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse,

a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to:

Wrangle—transform your datasets into a form convenient for analysis
Program—learn powerful R tools for solving data problems with greater clarity and ease
Explore—examine your data, generate hypotheses, and quickly test them
Model—provide a low-dimensional summary that captures true "signals" in your dataset

Communicate—learn R Markdown for integrating prose, code, and results

Womenomics - Claire Shipman 2009-06-02

“A personal, provocative, and challenging book for career women who want less guilt, more life.” —Diane Sawyer
Womenomics, the groundbreaking New York Times bestseller by Claire Shipman and Katty Kay, is an invaluable guide for this generation of professional women, provide knowledgeable advice on how to “Work Less, Achieve More, Live Better.” Shipman and Kay, two TV journalists well acquainted with the stress of the workplace, describe the new economic trends that offer today’s overworked working women more professional and personal choices than ever before. At last, you no longer have to do it all to have it all—*Womenomics* shows you how.

Womenomics - Claire Shipman 2009-06-02

You are not alone. Finally, here is a book that gets to the heart of what professional women want. You've probably been loath to admit it, but

like most of us, you have had enough of the sixty-hour workweeks, the day-care dash, and the vacations that never get taken. You don't want to quit, you want to work—but on your own terms and in ways that make it possible to have a life as well. Women have power. In *Womenomics*, journalists Shipman and Kay deal in facts, not stereotypes, providing a fresh perspective on the largely hidden power that women have in today's marketplace. Why? Companies with more women managers are more profitable. Women do more of the buying. A talent shortage looms. Younger generations want to work flexibly, too. It all adds up to a workplace revolution that is great news for professional women—not to mention men and businesses as well. As Brenda Barnes, CEO of Sara Lee, notes: “Companies need to recognize that this kind of flexibility offers employees the ability to manage and balance their own careers and lives, which in turn improves productivity and employee morale.” This new way of thinking

and working is all the more valuable in a recession, as companies begin offering flexible schedules, four-day workweeks, and extended vacations as a way to avoid layoffs, save costs, and still reward employees. It is personal. *Womenomics* does more than marshal the evidence of this historic shift. It also shows women how to redefine success, be productive, and build satisfying careers that don't require an all-or-nothing lifestyle. Most appealing are the candid personal anecdotes from Shipman's and Kay's own experiences and the stories they have gathered from professional women around the country who are coping with the same issues. It is possible. Shipman and Kay don't waste time on what women can't do or can't have. Instead, they show women how to chart an empowering, exhilarating course to a richer life. Inspiring, practical, and persuasive, *Womenomics* offers a groundbreaking blueprint for changing the way you live and work—with advice, guidance, and fact-based support that proves you don't have to

do it all to have it all.

The Confidence Code - Katty Kay 2014-04-15
New York Times Bestseller Following the success of *Lean In* and *Why Women Should Rule the World*, the authors of the bestselling *Womenomics* provide an informative and practical guide to understanding the importance of confidence—and learning how to achieve it—for women of all ages and at all stages of their career. Working women today are better educated and more well qualified than ever before. Yet men still predominate in the corporate world. In *The Confidence Code*, Claire Shipman and Katty Kay argue that the key reason is confidence. Combining cutting-edge research in genetics, gender, behavior, and cognition—with examples from their own lives and those of other successful women in politics, media, and business—Kay and Shipman go beyond admonishing women to "lean in." Instead, they offer the inspiration and practical advice women need to close the gap and achieve the

careers they want and deserve.

Master Your Code: The Art, Wisdom, and Science of Leading an Extraordinary Life - Darren J. Gold 2019-10-11

"This is a MUST READ for anyone interested in leadership and human potential." Frank Blake, Former Chairman & CEO, The Home Depot
WHAT'S GETTING IN THE WAY OF YOU LEADING AN EXTRAORDINARY LIFE? How does anyone get to a point in life where they can say unequivocally say that they feel fulfilled and fully alive? Why are some leaders more effective than others? Why are some people happily married and others not? Why are some individuals more prone to depression while others seem to possess a magical resilience? Why do some elite athletes become professionals and others remain mere amateurs? Why are some of us are happy and others unhappy despite almost identical circumstances? It's your program. A subconscious set of rules that drive the actions you take and limit the results you

get. To be extraordinary in any area of your life, you must write and master your own code. This is your guidebook for doing that now. By reading this book you will learn how to: Be the shaper of your life, not a prisoner of your circumstances
Take full responsibility for your life and give up the right to complain
Honor your word and live a life of integrity
Let go of grudges and forgive unconditionally
Do what you were born to do in this world
Darren Gold is Managing Partner at The Trium Group where he is one of the world's leading executive coaches and advisors to CEOs and their teams. His mission is to unlock the full potential of leaders and their organizations. He lives in the San Francisco Bay Area with his wife and children.

The Code - Margaret O'Mara 2020-07-07

One of New York Magazine's best books on Silicon Valley! The true, behind-the-scenes history of the people who built Silicon Valley and shaped Big Tech in America
Long before Margaret O'Mara became one of our most

consequential historians of the American-led digital revolution, she worked in the White House of Bill Clinton and Al Gore in the earliest days of the commercial Internet. There she saw firsthand how deeply intertwined Silicon Valley was with the federal government--and always had been--and how shallow the common understanding of the secrets of the Valley's success actually was. Now, after almost five years of pioneering research, O'Mara has produced the definitive history of Silicon Valley for our time, the story of mavericks and visionaries, but also of powerful institutions creating the framework for innovation, from the Pentagon to Stanford University. It is also a story of a community that started off remarkably homogeneous and tight-knit and stayed that way, and whose belief in its own mythology has deepened into a collective hubris that has led to astonishing triumphs as well as devastating second-order effects. Deploying a wonderfully rich and diverse cast of protagonists, from the

justly famous to the unjustly obscure, across four generations of explosive growth in the Valley, from the forties to the present, O'Mara has wrestled one of the most fateful developments in modern American history into magnificent narrative form. She is on the ground with all of the key tech companies, chronicling the evolution in their offerings through each successive era, and she has a profound fingertip feel for the politics of the sector and its relation to the larger cultural narrative about tech as it has evolved over the years. Perhaps most impressive, O'Mara has penetrated the inner kingdom of tech venture capital firms, the insular and still remarkably old-boy world that became the cockpit of American capitalism and the crucible for bringing technological innovation to market, or not. The transformation of big tech into the engine room of the American economy and the nexus of so many of our hopes and dreams--and, increasingly, our nightmares--can be understood, in Margaret O'Mara's

masterful hands, as the story of one California valley. As her majestic history makes clear, its fate is the fate of us all.

Code Biology - Marcello Barbieri 2015-02-02
This book is the study of all codes of life with the standard methods of science. The genetic code and the codes of culture have been known for a long time and represent the historical foundation of this book. What is really new in this field is the study of all codes that came after the genetic code and before the codes of culture. The existence of these organic codes, however, is not only a major experimental fact. It is one of those facts that have extraordinary theoretical implications. The first is that most events of macroevolution were associated with the origin of new organic codes, and this gives us a completely new reconstruction of the history of life. The second implication is that codes involve meaning and we need therefore to introduce in biology not only the concept of information but also the concept of biological meaning. The third

theoretical implication comes from the fact that the organic codes have been highly conserved in evolution, which means that they are the

greatest invariants of life. The study of the organic codes, in short, is bringing to light new mechanisms that have operated in the history of life and new fundamental concepts in biology.