Feynmans Rainbow A Search For Beauty In Physics And In Life

As a physicist, Alan Lightman has always held a scientific view of the world. But one summer evening, while looking at the stars from a small boat at sea, Lightman was overcome by the overwhelming sensation that he was merging with something larger than himself--an eternal unity, something absolute and immaterial. The result is an inspired, lyrical meditation from the acclaimed author of Einstein's Dreams that explores these seemingly contradictory impulses. Lightman draws on sources ranging from Saint Augustine's conception of absolute truth to Einstein's theory of relativity, and gives us a profound inquiry into the human desire for truth and meaning, and a journey along the different paths of religion and science that become part of that quest. This small but provocative book explores the tension between our yearning for certainty and permanence versus the modern scientific view that all things in the physical world are uncertain and impermanent.

The New York Times best-selling sequel to "Surely You're Joking, Mr. Feynman!" One of the greatest physicists of the twentieth century, Richard Feynman possessed an unquenchable thirst for adventure and an unparalleled ability to tell the stories of his life. "What Do You Care What Other People Think?" is Feynman's last literary legacy, prepared with his friend and fellow drummer, Ralph Leighton. Among its many tales—some funny, others intensely moving—we meet Feynman's first wife, Arlene, who taught him of love's irreducible mystery as she lay dying in a hospital bed while he worked nearby on the atomic bomb at Los Alamos. We are also given a fascinating narrative of the investigation of the space shuttle Challenger's explosion in 1986, and we relive the moment when Feynman revealed the disaster's cause by an elegant experiment: dropping a ring of rubber into a glass of cold water and pulling it out, misshapen.

Looks at religious, philosophical, and scientific theories surrounding the nature and origin of the universe, covering such topics as the Big bang theory, general relativity, quantum theory, evolution, and creationism.

We've been told we need to master our emotions and think rationally to succeed. But cutting-edge science shows that feelings are every bit as important to our success as thinking. You make hundreds of decisions every day, from what to eat for breakfast to how to influence people, and not one of them could be made without the essential component of emotion. It has long been held that thinking and feeling are separate and opposing forces in our behaviour. But as best-selling author Leonard Mlodinow tells us, extraordinary advances in psychology and neuroscience have proven that emotions are as critical to our well-being as thinking. How can you connect better with others? How can you improve your relationship to frustration, fear, and anxiety? What can you do to live a happier life? The answers lie in understanding emotions. Taking us on a journey from the labs of pioneering scientists to real-world scenarios that have flirted with disaster, Mlodinow shows us how our emotions help, why they sometimes hurt, and what we can make of the difference. Cutting-edge research and deep insights into our evolution, biology, and neuroscience promise to help us understand our emotions better and maximize their benefits. Told with characteristic clarity and fascinating stories, Mlodinow's exploration of the new science of feelings is an essential guide to making the most of one of nature's greatest gifts to us.

The best-selling author of Subliminal and The Drunkard's Walk teaches you how to tap into the hidden power of your brain. "Elastic is a book that will help you survive the whirlwind." —Daniel H. Pink, author of When and A Whole New Mind Named to the 800-CEO-READ Business Book Awards Longlist In this startling and provocative look at how the human mind deals with change, Leonard Mlodinow shows us to unleash the natural abilities we all possess so we can thrive in dynamic and troubled times. Truly original minds capitalize when everyone else struggles. And most of us assume that these abilities are innate, reserved for a select few. But Mlodinow reveals that we all possess them, that we all have encoded in our brains a skill he terms elastic thinking—and he guides us in how to harness it. Drawing on groundbreaking research, Mlodinow outlines how we can learn to let go of comfortable ideas and become accustomed to ambiguity and contradiction; how we can rise above conventional mindsets and reframe the questions we ask; and how we can improve our ability to solve problems and generate new ideas—critical skills for achieving professional and personal success in our quickly morphing world.

The celebrated physicist and author of A Brief History of Time brings together a single-volume compilation of the most important works by Albert Einstein, presenting his papers on the Theory of Relativity, quantum theory, statistical mechanics, the photoelectric effect, and other ground-breaking studies that transformed modern physics. 75,000 first printing.

"YOU HAVE CHANGED MY LIFE" is a common refrain in the emails Walter Lewin receives daily from fans who have been enthralled by his world-famous video lectures about the wonders of physics. "I walk with a new spring in my step and I look at life through physics-colored eyes," wrote one such fan. When Lewin's lectures were made available online, he became an instant YouTube celebrity, and The New York Times declared, "Walter Lewin delivers his lectures with the panache of Julia Child bringing French cooking to amateurs and the zany theatricality of YouTube's greatest hits." For more than thirty years as a beloved professor at the Massachusetts Institute of Technology, Lewin honed his singular craft of making physics not only accessible but truly fun, whether putting his head in the path of a wrecking ball, supercharging himself with three hundred thousand volts of electricity, or demonstrating why the sky is blue and why clouds are white. Now, as Carl Sagan did for astronomy and Brian Green did for cosmology, Lewin takes readers on a marvelous journey in For the Love of Physics, opening our eyes as never before to the amazing beauty and power with which physics can reveal the hidden workings of the world all around us. "I introduce people to their own world," writes Lewin, "the world they live in and are familiar with but don't approach like a physicist—yet." Could it be true that we are shorter standing up than lying down? Why can we snorkel no deeper than about one foot below the surface? Why are the colors of a rainbow always in the same order, and would it be possible to put our hand out and touch one? Whether introducing why the air smells so fresh after a lightning storm, why we briefly lose (and gain) weight when we ride in an elevator, or what the big bang would have sounded like had anyone existed to hear it, Lewin never ceases to surprise and delight with the extraordinary ability of physics to answer even the most elusive questions. Recounting his own exciting discoveries as a pioneer in the field of X-ray astronomy—arriving at MIT right at the start of an astonishing revolution in astronomy—he also brings to life the power of physics to reach into the vastness of space and unveil exotic uncharted territories, from the marvels of a supernova explosion in the Large Magellanic Cloud to the unseeable depths of black holes. "For me," Lewin writes, "physics is a way of seeing—the spectacular and the mundane, the immense and the minute—as a beautiful, thrillingly interwoven whole." His wonderfully inventive and vivid ways of introducing us to the revelations of physics impart to us a new appreciation of the remarkable beauty and intricate harmonies of the forces that govern our lives.

Presents a history of science, focusing on its influence in the transition from humanity's primitive beginnings up to the modern day, with profiles of famous scientists responsible for some of the world's greatest scientific discoveries. --Publisher's description.

An omnibus edition of classic adventure tales by the Nobel Prize-winning physicist includes his exchanges with Einstein and Bohr, ideas about gambling with Nick the Greek, and solution to the Challenger disaster, in a volume complemented by an hour-long audio CD of his 1978 "Los Alamos from Below" lecture. 30,000 first printing.

An engrossing and revelatory first look at the search for alien life—on Earth and beyond For the past twenty years, Peter Ward has been at the forefront of popular science writing, with books such as the influential and controversial Rare Earth. In Life as We Do Not Know It, Ward, with his signature blend of eloquence, humor, and learned insight, vividly details the latest scientific

findings, cutting-edge research, and intrepid new theories on the subject of alien life and the possible extraterrestrial origins of life on Earth. In lucid, entertaining, and bold prose, Peter Ward once again challenges our notions of life on earth (and beyond).

New York Times Bestseller: This life story of the quirky physicist is “a thorough and masterful portrait of one of the great minds of the century” (The New York Review of Books). Raised in Depression-era Rockaway Beach, physicist Richard Feynman was irreverent, eccentric, and childishly enthusiastic—a new kind of scientist in a field that was in its infancy. His quick mastery of quantum mechanics earned him a place at Los Alamos working on the Manhattan Project under J. Robert Oppenheimer, where the giddy young man held his own among the nation’s greatest minds. There, Feynman turned theory into practice, culminating in the Trinity test, on July 16, 1945, when the Atomic Age was born. He was only twenty-seven. And he was just getting started. In this sweeping biography, James Gleick captures the forceful personality of a great man, integrating Feynman’s work and life in a way that is accessible to laymen and fascinating for the scientists who follow in his footsteps.

THE STORY: Nobel Prize-winning physicist Richard Feynman holds forth with captivating wit and wisdom in this fascinating play that originally starred Alan Alda. One of the twentieth century's great physicists, Feynman was also one of its great ecce

"A printed eulogy of one of the most interesting and creative physicists of our time....The reader gets fascinating first-person accounts from eminent physicists qua ardent admirers of one who will forever be remembered in the pages of physics." Choice Prominent physicists such as John Wheeler, Freeman Dyson, Hans Bethe, Julian Schwinger, Murray Gell-Mann, David Pines, and others offer intimate reminiscences of their colleague and perceptive explanations of Feynman's trailblazing work. These essays uncover the precocious undergraduate, the young scholar at Cornell, the theoretician in his prime at Caltech, and the mature teacher and mentor. Highlighting both the charm and brilliance of Feynman, "Most of the Good Stuff" is an engrossing collection for enthusiasts--scientists and nonscientists alike--awed and entertained by one of the century's greatest minds.

A riveting look at how an alternative source of energy is revoluntionising nuclear power, promising a safe and clean future for millions, and why thorium was sidelined at the height of the Cold War In this groundbreaking account of an energy revolution in the making, award-winning science writer Richard Martin introduces us to thorium, a radioactive element and alternative nuclear fuel that is far safer, cleaner, and more abundant than uranium. At the dawn of the Atomic Age, thorium and uranium seemed to be in close competition as the fuel of the future. Uranium, with its ability to undergo fission and produce explosive material for atomic weapons, won out over its more pacific sister element, relegating thorium to the dustbin of science. Now, as we grapple with the perils of nuclear energy and rogue atomic weapons, and mankind confronts the specter of global climate change, thorium is re-emerging as the overlooked energy source as a small group of activists and outsiders is working, with the help of Silicon Valley investors, to build a thorium-power industry. In the first book mainstream book to tackle these issues, Superfuel is a story of rediscovery of a long lost technology that has the power to transform the world's future, and the story of the pacifists, who were sidelined in favour of atomic weapon hawks, but who can wean us off our fossil-fuel addiction and avert the risk of nuclear meltdown for ever.

An intimate and inspirational exploration of Stephen Hawking--the man, the friend, and the physicist. Stephen Hawking was one of the most famous and influential physicists in the world. He left a mark in our culture that touched the lives of millions. His books have inspired countless scientists-to-be, and his research on the laws of black holes and the origin of the universe charted new territory. Recalling his nearly two-decades as a friend and collaborator with Stephen Hawking, Leonard Mlodinow brings a complex man into focus like no one has before. He introduces us to Hawking the colleague, for whom no detail is too minor to get right, a challenge for a man who could only type one word per minute. We meet Hawking the friend, who creates such strong connections with those around him that he can communicate powerfully with just the raise of an eyebrow. We witness Hawking the genius, who, against all odds, flourishes after he is diagnosed with ALS and pours his mind into uncovering the mysteries of the universe. Brilliant, impish, and kind, Hawking endeared himself to almost everyone he came into contact with. This beautiful portrait is inpirational and is sure to stick with you long after you've read it.

#1 NEW YORK TIMES BESTSELLER • Now a major motion picture directed by Steven Spielberg. “Enchanting . . . Willy Wonka meets The Matrix.”—USA Today • “As one adventure leads expertly to the next, time simply evaporates.”—Entertainment Weekly A world at stake. A quest for the ultimate prize. Are you ready? In the year 2045, reality is an ugly place. The only time Wade Watts really feels alive is when he’s jacked into the OASIS, a vast virtual world where most of humanity spends their days. When the eccentric creator of the OASIS dies, he leaves behind a series of fiendish puzzles, based on his obsession with the pop culture of decades past. Whoever is first to solve them will inherit his vast fortune—and control of the OASIS itself. Then Wade cracks the first clue. Suddenly he’s beset by rivals who’ll kill to take this prize. The race is on—and the only way to survive is to win. NAMED ONE OF THE BEST BOOKS OF THE YEAR BY Entertainment Weekly • San Francisco Chronicle • Village Voice • Chicago Sun-Times • iO9 • The AV Club “Delightful . . . the grown-up’s Harry Potter.”—HuffPost “An addictive read . . . part intergalactic scavenger hunt, part romance, and all heart.”—CNN “A most excellent ride . . . Cline stuffs his novel with a cornucopia of pop culture, as if to wink to the reader.”—Boston Globe “Ridiculously fun and large-hearted . . . Cline is that rare writer who can translate his own dorky enthusiasms into prose that’s both hilarious and compassionate.”—NPR “[A] fantastic page-turner . . . starts out like a simple bit of fun and winds up feeling like a rich and plausible picture of future friendships in a world not too distant from our own.”—iO9

Celebrated for his brilliantly quirky insights into the physical world, Nobel laureate Richard Feynman also possessed an extraordinary talent for explaining difficult concepts to the general public. Here Feynman provides a classic and definitive introduction to QED (namely, quantum electrodynamics), that part of quantum field theory describing the interactions of light with charged particles. Using everyday language, spatial concepts, visualizations, and his renowned "Feynman diagrams" instead of advanced mathematics, Feynman clearly and humorously communicates both the substance and spirit of QED to the layperson. A. Zee's introduction places Feynman’s book and his seminal contribution to QED in historical context and further highlights Feynman’s uniquely appealing and illuminating style.

Traces the colorful, turbulent life of the Nobel Prize-winning physicist, from the death of his childhood sweetheart during the Manhattan Project to his rise as an icon in the scientific community.

Superb introduction for nonspecialists covers Feynman diagrams, quasi particles, Fermi systems at finite temperature, superconductivity, vacuum amplitude, Dyson's equation, ladder approximation, and more. "A great delight." — Physics Today. 1974 edition.

Through Euclid's Window Leonard Mlodinow brilliantly and delightfully leads us on a journey through five revolutions in geometry, from the Greek concept of parallel lines to the latest notions of hyperspace. Here is an altogether new, refreshing, alternative history of math revealing how simple questions anyone might ask about space -- in the living room or in some other galaxy -- have been the hidden engine of the highest achievements in science and technology. Based on Mlodinow's extensive historical research; his studies alongside colleagues such as Richard Feynman and Kip Thorne; and interviews with leading physicists and mathematicians such as Murray Gell-Mann, Edward Witten, and Brian Greene, Euclid's Window is an extraordinary blend of rigorous, authoritative investigation and accessible, good-humored storytelling that makes a stunningly original argument asserting the primacy of geometry. For those who have looked through Euclid's Window, no space, no thing, and no time will ever be quite the same.

A Nobel Prize-winning physicist, a loving husband and father, an enthusiastic teacher, a surprisingly accomplished bongo player, and a genius of the highest caliber---Richard P. Feynman was all these and more. Perfectly Reasonable Deviations From the Beaten Track--collecting over forty years' worth of Feynman's letters--offers an unprecedented look at the writer and thinker whose scientific mind and lust for life made him a legend in his own time. Containing missives to and from such scientific luminaries as Victor Weisskopf, Stephen Wolfram, James Watson, and Edward Teller, as well as a remarkable selection of letters to and from fans, students, family, and people from around the world eager for Feynman's advice and counsel, Perfectly Reasonable Deviations From the Beaten Track not only illuminates the personal relationships that underwrote the key developments in modern science, but also forms the most intimate look at Feynman yet available. Feynman was a man many felt close to but few really knew, and this collection reveals the full wisdom and private passion of a personality that captivated everyone it touched. Perfectly Reasonable Deviations From the Beaten Track is an eloquent testimony to the virtue of approaching the world with an inquiring eye; it demonstrates the full extent of the Feynman legacy like never before. Edited and with additional commentary by his daughter Michelle, it's a must-read for Feynman fans everywhere, and for anyone seeking to better understand one of the towering figures--and defining personalities--of the twentieth century.

In a wonderful synthesis of science, history, and imagination, Gino Segrè, an internationally renowned theoretical physicist, embarks on a wide-ranging exploration of how the fundamental scientific concept of temperature is bound up with the very essence of both life and matter. Why is the internal temperature of most mammals fixed near 98.6°? How do geologists use temperature to track the history of our planet? Why is the quest for absolute zero and its quantum mechanical significance the key to understanding superconductivity? And what can we learn from neutrinos, the subatomic "messages from the sun" that may hold the key to understanding the birth-and death-of our solar system? In answering these and hundreds of other temperature-sensitive questions, Segrè presents an uncanny view of the world around us.

Two authors -- one from the field of physics, the other from the realm of spirituality -- debate the most fundamental questions about human existance.

From the bestselling, National Book Award-nominated author of Genius and Chaos, a bracing work about the accelerating pace of change in today's world. Most of us suffer some degree of "hurry sickness." a malady that has launched us into the "epoch of the nanosecond," a need-everything-yesterday sphere dominated by cell phones, computers, faxes, and remote controls. Yet for all the hours, minutes, and even seconds being saved, we're still filling our days to the point that we have no time for such basic human activities as eating, sex, and relating to our families. Written with fresh insight and thorough research, Faster is a wise and witty look at a harried world not likely to slow down anytime soon.

Semiconductors have made an enormous impact on 20th century science and technology. This is because components made from semiconductors have very favorable properties such as low energy consumption, compactness, and high reliability, and so they now dominate electronics and radio engineering. Semiconductors are indispensable for space exploration and where the requirements of small size, low weight and low energy consumption are especially stringent. The book uses quantum-mechanical concepts and band theory to present the theory of semiconductors in a comprehensible for. It also describes how basic semiconductor devices (e.g. diodes, transistors, and lasers) operate. The book was written for senior high-school students interested in physics.

Feynman's RainbowA Search for Beauty in Physics and in LifeVintage Books

An examination of the ways in which the unconscious mind shapes everyday life traces recent scientific advances to reveal the pivotal role of the subliminal mind in influencing experiences and relationships. By the author of The Drunkard's Walk. 100,000 first printing.

#1 NEW YORK TIMES BESTSELLER When and how did the universe begin? Why are we here? What is the nature of reality? Is the apparent “grand design” of our universe evidence of a benevolent creator who set things in motion—or does science offer another explanation? In this startling and lavishly illustrated book, Stephen Hawking and Leonard Mlodinow present the most recent scientific thinking about these and other abiding mysteries of the universe, in nontechnical language marked by brilliance and simplicity. According to quantum theory, the cosmos does not have just a single existence or history. The authors explain that we ourselves are the product of quantum fluctuations in the early universe, and show how quantum theory predicts the “multiverse”—the idea that ours is just one of many universes that appeared spontaneously out of nothing, each with different laws of nature. They conclude with a riveting assessment of M-theory, an explanation of the laws governing our universe that is currently the only viable candidate for a “theory of everything”: the unified theory that Einstein was looking for, which, if confirmed, would represent the ultimate triumph of human reason.

This collection from scientist and Nobel Peace Prize winner highlights the achievements of a man whose career reshaped the world's understanding of quantum electrodynamics. The Pleasure of Finding Things Out is a magnificent treasury of the best short works of Richard P. Feynman-from interviews and speeches to lectures and printed articles. A sweeping, wide-ranging collection, it presents an intimate and fascinating view of a life in science-a life like no other. From his ruminations on science in our culture to his Nobel Prize acceptance speech, this book will fascinate anyone interested in the world of ideas.

One of the most famous science books of our time, the phenomenal national bestseller that "buzzes with energy, anecdote and life. It almost makes you want to become a physicist" (Science Digest). Richard P. Feynman, winner of the Nobel Prize in physics, thrived on outrageous adventures. In this lively work that “can shatter the stereotype of the stuffy scientist” (Detroit Free Press), Feynman recounts his experiences trading ideas on atomic physics with Einstein and cracking the uncrackable safes guarding the most deeply held nuclear secrets—and much more of an eyebrow-raising nature. In his stories, Feynman’s life shines through in all its eccentric glory—a combustible mixture of high intelligence, unlimited curiosity, and raging chutzpah. Included for this edition is a new introduction by Bill Gates.

Displays one of America's leading physicist's fascinating development of personal artistic sensitivity to line, form, and the moods of his subject.
A shorter, more accessible edition of a now-classic survey of the origin and nature of the universe features new full-color illustrations and an expanded, easier to understand treatment of the volume's more important theoretical concepts.
Originally published: New York: Warner Books, 2003.
This title tells the story of Leonard Mlodinow's first year on the Caltech faculty in the winter of 1981. It is the narrative of himself as a young physicist trying to find his place in the world and the wisdom of an old, and dying physicist who helped him, the legendary Richard Feynman. But it is also the story of this famous scientist's last days, his rivalry with fellow Nobel laureate Murray Gell-Mann, and the beginnings of the string theory, the theory that is now the leading theory in physics and cosmology.
Leonard Mlodinow's The Drunkard's Walk: How Randomness Rules Our Lives is an exhilarating, eye-opening guide to understanding our random world. Randomness and uncertainty surround everything we do. So why are we so bad at understanding them? The same tools that help us understand the random paths of molecules can be applied to the randomness that governs so many aspects of our everyday lives, from winning the lottery to road safety, and reveals the truth about the success of sporting heroes and film stars, and even how to make sense of a blood test. The Drunkard's Walk reveals the psychological illusions that prevent us understanding everything from stock-picking to wine-tasting - read it, or risk becoming another victim of chance. 'A wonderfully readable guide to how the mathematical laws of randomness affect our lives' Stephen Hawking, author of A Brief History of Time
In Subliminal Leonard Mlodinow reveals the incredible hidden power of our unconscious, and how it shapes our experience of the world. We are only aware of 5% of what's going on in our brain. Almost everything we do - who we marry, how we interact with friends and colleagues, who we vote for, how we handle money, even what we think we remember about our past - is largely driven by the mind's subliminal processes and not by our conscious awareness, as we have long believed. Here Mlodinow unravels the subliminal self, showing us how the human mind really works. 'After reading this book, you will look at yourself (and those around you) in a new way.' Joseph T. Hallinan, author of Why We Make Mistakes 'With great wit and intelligence, Mlodinow takes us on a sweeping tour of the latest revelations in neuroscience.' Huffington Post 'An illuminating journey through a hidden world.' Nature 'Leonard Mlodinow never fails to make science both accessible and entertaining.' Stephen Hawking
In this new edition of Questioning the Millennium, best-selling author Stephen Jay Gould applies his wit and erudition to one of today's most pressing subjects: the significance of the millennium. In 1950 at age eight, prompted by an issue of Life magazine marking the century's midpoint, Stephen Jay Gould started thinking about the approaching turn of the millennium. In this beautiful inquiry into time and its milestones, he shares his interest and insights with his readers. Refreshingly reasoned and absorbing, the book asks and answers the three major questions that define the approaching calendrical event. First, what exactly is this concept of a millennium and how has its meaning shifted? How did the name for a future thousand-year reign of Jesus Christ on earth get transferred to the passage of a secular period of a thousand years in current human history? When does the new millennium really begin: January 1, 2000, or January 1, 2001? (Although seemingly trivial, the debate over this issue tells an intriguing story about the cultural history of the twentieth century.) And why must our calendars be so complex, leading to our search for arbitrary regularity, including a fascination with millennia? This revised edition begins with a new and extensive preface on a key subject not treated in the original version. As always, Gould brings into his essays a wide range of compelling historical and scientific fact, including a brief history of millennial fevers, calendrical traditions, and idiosyncrasies from around the world; the story of a sixth-century monk whose errors in chronology plague us even today; and the heroism of a young autistic man who has developed the extraordinary ability to calculate dates deep into the past and the future. Ranging over a wide terrain of phenomena--from the arbitrary regularities of human calendars to the unpredictability of nature, from the vagaries of pop culture to the birth of Christ--Stephen Jay Gould holds up the mirror to our millennial passions to reveal our foibles, absurdities, and uniqueness--in other words, our humanity.
The hidden elegance in everyday objects and physical mechanisms, from crumpled paper to sandcastles. Hidden Wonders focuses on the objects that populate our everyday life--crumpled paper, woven fabric, a sand pile--but looks at them with a physicist's eye, revealing a hidden elegance in mundane physical mechanisms. In six chapters--Builders, Creating Shapes, Building with Threads, From Sand to Glass, Matter in Motion, and Fractures--the authors present brief stories, set in locales ranging from the Eiffel Tower to a sandcastle, that illustrate the little wonders hidden in the ordinary. A simple experiment that readers can perform at home concludes each story. More than 200 illustrations bring the stories to life.
With the born storyteller's command of narrative and imaginative approach, Leonard Mlodinow vividly demonstrates how our lives are profoundly informed by chance and randomness and how everything from wine ratings and corporate success to school grades and political polls are less reliable than we believe. By showing us the true nature of chance and revealing the psychological illusions that cause us to misjudge the world around us, Mlodinow gives us the tools we need to make more informed decisions. From the classroom to the courtroom and from financial markets to supermarkets, Mlodinow's intriguing and illuminating look at how randomness, chance, and probability affect our daily lives will intrigue, awe, and inspire.
Richard Feynman: physicist . . . Nobel winner . . . bestselling author . . . safe-cracker. In this substantial graphic novel biography, First Second presents the larger-than-life exploits of Nobel-winning quantum physicist, adventurer, musician, world-class raconteur, and one of the greatest minds of the twentieth century: Richard Feynman. Written by nonfiction comics mainstay Jim Ottaviani and brilliantly illustrated by First Second author Leland Myrick, Feynman tells the story of the great man's life from his childhood in Long Island to his work on the Manhattan Project and the Challenger disaster. Ottaviani tackles the bad with the good, leaving the reader delighted by Feynman's exuberant life and staggered at the loss humanity suffered with his death. Anyone who ever wanted to know more about Richard P. Feynman, quantum electrodynamics, the fine art of the bongo drums, the outrageously obscure nation of Tuva, or the development and popularization of the field of physics in the United States need look no further than this rich and joyful work. One of School Library Journal's Best Adult Books 4 Teens titles of 2011 One of Horn Book's Best Nonfiction Books of 2011
From the New York Times–bestselling author of Science in the Soul. “If any recent writing about science is poetic, it is this” (The Wall Street Journal). Did Sir Isaac Newton “unweave the rainbow” by reducing it to its prismatic colors, as John Keats contended? Did he, in other words, diminish beauty? Far from it, says acclaimed scientist Richard Dawkins; Newton’s unweaving is the key too much of modern astronomy and to the breathtaking poetry of modern cosmology. Mysteries don’t lose their poetry because they are solved: the solution often is more beautiful than the puzzle, uncovering deeper mysteries. With the wit, insight, and spellbinding prose that have made him a bestselling author, Dawkins takes up the most important and compelling topics in modern science, from astronomy and genetics to language and virtual reality, combining them in a landmark statement of the human appetite for wonder. This is the book Dawkins was meant to write: A brilliant assessment of what science is (and isn’t), a

tribute to science not because it is useful but because it is uplifting. “A love letter to science, an attempt to counter the perception that science is cold and devoid of aesthetic sensibility . . . Rich with metaphor, passionate arguments, wry humor, colorful examples, and unexpected connections, Dawkins’ prose can be mesmerizing.” —San Francisco Chronicle “Brilliance and wit.” —The New Yorker