

The Magic Of Reality By Richard Dawkins

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Magic of Reality Richard Dawkins 2015-04-13 "Saya ingin menunjukkan kepada Anda bahwa dunia nyata, seperti yang dipahami lewat sains, memiliki sihirnya tersendiri--jenis yang saya sebut sihir puitis: kecantikan yang mengilhami, yang semakin ajaib karena nyata sifatnya dan karena kita bisa memahami bagaimana cara kerjanya ... Sihir realitas sungguh mengagumkan. Mengagumkan, dan nyata. Mengagumkan karena nyata." Ada berbagai pertanyaan besar yang diajukan manusia: Terbuat dari apakah segala benda? Bagaimana alam semesta bermula? Mengapa ada banyak jenis makhluk hidup? Mengapa ada siang dan malam? Dulu manusia menjawabnya dengan mitos dan legenda, kisah serba ajaib yang berusaha menjelaskan gejala alam. Kini ada penjelasan yang tak kalah ajaibnya: sains, yang menjawab pertanyaan-pertanyaan besar dengan melihat dan meneliti realitas itu sendiri, mempelajari apa yang benar-benar nyata. Inilah buku yang menyandingkan jawaban kedua jenis penjelasan itu: sihir mitos, dan sihir realitas--sains. "Saya sering dimintai rekomendasi buku sains bagus untuk pemuda. Saya tidak ragu lagi menjawabnya sekarang. Magic of Reality adalah buku indah, mudah, dan lengkap yang menjawab berbagai pertanyaan tentang alam semesta, memisahkan fiksi dan fakta." --Lawrence Krauss, Foundation Professor & Direktur Origins Project di Arizona State University, penulis Fisika Star Trek "Pengantar sains paling jernih dan apik yang pernah saya baca" --Philip Pullman

Strategy Strikes Back Max Brooks 2018-05 The most successful film franchise of all time, Star Wars thrillingly depicts an epic multigenerational conflict fought a long time ago in a galaxy far, far away. But the Star Wars saga has as much to say about successful strategies and real-life warfare waged in our own time and place. Strategy Strikes Back brings together over thirty of today's top military and strategic experts, including generals, policy advisors, seasoned diplomats, counterinsurgency strategists, science fiction writers, war journalists, and ground-level military officers, to explain the strategy and the art of war by way of the Star Wars films. Each chapter of Strategy Strikes Back provides a relatable, outside-the-box way to simplify and clarify the complexities of modern military conflict. A chapter on the case for planet building on the forest moon of Endor by World War Z author Max Brooks offers a unique way to understand our own sustained engagement in war-ravaged societies such as Afghanistan. Another chapter on the counterinsurgency waged by Darth Vader against the Rebellion sheds light on the logic behind past military incursions in Iraq. Whether using the destruction of Alderaan as a means to explore the political implications of targeting civilians, examining the pivotal decisions made by Yoda and the Jedi Council to differentiate strategic leadership in theory and in practice, or considering the ruthlessness of Imperial leaders to explain the toxicity of top-down leadership in times of war and battle, Strategy Strikes Back gives fans of Star Wars and aspiring military minds alike an inspiring and entertaining means of understanding many facets of modern warfare. It is a book as captivating and enthralling as Star Wars itself.

Rescuing the Planet Tony Hiss 2022-03-22 An urgent, resounding call to protect 50 percent of the earth's land by 2050--thereby saving millions of its species--and a candid assessment of the health of our planet and our role in conserving it, from the award-winning author of The Experience of Place and veteran New Yorker staff writer. "An upbeat and engaging account of the remarkable progress being made to preserve vast wild spaces for animals to roam." --The Wall Street Journal

Beginning in the vast North American Boreal Forest that stretches through Canada, and roving across the continent, from the Northern Sierra to Alabama's Paint Rock Forest, from the Appalachian Trail to a ranch in Mexico, Tony Hiss sets out on a journey to take stock of the "superorganism" that is the earth: its land, its elements, its plants and animals, its greatest threats--and what we can do to keep it, and ourselves, alive. Hiss not only invites us to understand the scope and gravity of the problems we face, but also makes the case for why protecting half the land is the way to fix those problems. He highlights the important work of the many groups already involved in this fight, such as the Indigenous Leadership Initiative, the Yellowstone to Yukon Conservation Initiative, and the global animal tracking project ICARUS. And he introduces us to the engineers, geologists, biologists, botanists, oceanographers, ecologists, and other "Half Earthers" like Hiss himself who are allied in their dedication to the unifying, essential cause of saving our own planet from ourselves. Tender, impassioned, curious, and above all else inspiring, *Rescuing the Planet* is a work that promises to make all of us better citizens of the earth.

A Short History of London Simon Jenkins 2019-10-10 'Fascinating and timely. Required reading for every developer, planner or councillor who holds London in trust today' Griff Rhys Jones
'Accessible, clear and readable' Rowan Moore, *The Observer* _____ LONDON: a settlement founded by the Romans, occupied by the Saxons, conquered by the Danes and ruled by the Normans. This unremarkable place - not even included in the Domesday Book - became a medieval maze of alleys and courtyards, later to be chequered with grand estates of Georgian splendour. It swelled with industry and became the centre of the largest empire in history. And rising from the rubble of the Blitz, it is now one of the greatest cities in the world. From the prehistoric occupants of the Thames valley to the preoccupied commuters of today, Simon Jenkins brings together the key events, individuals and trends in London's history to create a matchless portrait of the capital. _____ 'A vivid and deeply well-informed account of London's history' Charles Saumarez Smith, Professor of Cultural History, Queen Mary University of London
'Extremely informative and witty' Roy Porter, author of *London: A Social History on Landlords to London*
'A short, invigorating gallop over two and a half thousand years' Scotsman on *A Short History of Europe*

Why Darwin Matters Michael Shermer 2007-04-01 A creationist-turned-scientist demonstrates the facts of evolution and exposes Intelligent Design's real agenda Science is on the defensive. Half of Americans reject the theory of evolution and "Intelligent Design" campaigns are gaining ground. Classroom by classroom, creationism is overthrowing biology. In *Why Darwin Matters*, bestselling author Michael Shermer explains how the newest brand of creationism appeals to our predisposition to look for a designer behind life's complexity. Shermer decodes the scientific evidence to show that evolution is not "just a theory" and illustrates how it achieves the design of life through the bottom-up process of natural selection. Shermer, once an evangelical Christian and a creationist, argues that Intelligent Design proponents are invoking a combination of bad science, political antipathy, and flawed theology. He refutes their pseudoscientific arguments and then demonstrates why conservatives and people of faith can and should embrace evolution. He then appraises the evolutionary questions that truly need to be settled, building a powerful argument for science itself. Cutting the politics away from the facts, *Why Darwin Matters* is an incisive examination of what is at stake in the debate over evolution.

The Illustrated Magic of Reality Richard Dawkins 2012-09-11 Addresses key scientific questions previously explained by rich mythologies, from the evolution of the first humans and the life cycle of stars to the principles of a rainbow and the origins of the universe.

The Blind Watchmaker 2010

Brief Candle in the Dark Richard Dawkins 2015-09-29 In this hugely entertaining sequel to the New York Times bestselling memoir *An Appetite for Wonder*, Richard Dawkins delves deeply into his intellectual life spent kick-starting new conversations about science, culture, and religion and writing yet another of the most audacious and widely read books of the twentieth century—*The God Delusion*. Called "one of the best nonfiction writers alive today" (Stephen Pinker) and a "prize-fighter" (*Nature*), Richard Dawkins cheerfully, mischievously, looks back on a lifetime of tireless intellectual adventure and engagement. Exploring the halls of intellectual inquiry and stardom he encountered after the publication of his seminal work, *The Selfish Gene*; affectionately

lamponing the world of academia, publishing, and television; and studding the pages with funny stories about the great men and women he's known, Dawkins offers a candid look at the events and ideas that encouraged him to shift his attention to the intersection of culture, religion, and science. He also invites the reader to look more closely at the brilliant succession of ten influential books that grew naturally out of his busy life, highlighting the ideas that connect them and excavating their origins. On the publication of his tenth book, the smash hit, *The God Delusion*, a "resounding trumpet blast for truth" (Matt Ridley), Richard Dawkins was catapulted from mere intellectual stardom into a circle of celebrity thinkers dubbed, "The New Atheists"—including Christopher Hitchens, Sam Harris, and Daniel Dennett. Throughout *A Brief Candle in the Dark*, Dawkins shares with us his infectious sense of wonder at the natural world, his enjoyment of the absurdities of human interaction, and his bracing awareness of life's brevity: all of which have made a deep imprint on our culture.

A Stubbornly Persistent Illusion Albert Einstein 2009-09-29 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.

The Planets: Some Myths and Realities Richard Baum 1973

Free Fall William Golding 2013-02-21 Sammy Mountjoy, artist, rises from poverty and an obscure birth to see his pictures hung in the Tate Gallery. Swept into World War Two, he is taken as a prisoner-of-war, threatened with torture, then locked in a cell of total darkness to wait. He emerges from his cell transfigured from his ordeal, and begins to realise what man can be and what he has gradually made of himself through his own choices. But did those accumulated choices also begin to deprive him of his free will.

The Good Man Jesus and the Scoundrel Christ Philip Pullman 2010-04-21 A thought-provoking retelling of the Gospel story from an atheist perspective. Upon its hardcover publication, renowned author Philip Pullman's *The Good Man Jesus and the Scoundrel Christ* provoked heated debates and stirred a frenzy of controversy throughout the clerical and literary worlds alike with its bold retelling of the life of Jesus Christ. In this remarkable piece of fiction, famously atheistic author Philip Pullman challenges the events of the Gospels and puts forward his own compelling and plausible version of the life of Jesus. Written with unstinting authority, *The Good Man Jesus and the Scoundrel Christ* is a pithy, erudite, subtle, and powerful book by a beloved author, a text to be read and reread, studied and unpacked, much like the *Good Book* itself. "The erudite fantasy author, Philip Pullman, makes explicit his complaint against Christian dogma with [this] challenging deconstruction of the Gospels." —Entertainment Weekly "Inspiring . . . Again and again, [Pullman] displays a marvelous sense of the elemental power of Jesus's instructions and parables." —The Washington Post

The Oxford Book of Modern Science Writing Richard Dawkins 2009 Science.

Books do Furnish a Life Richard Dawkins 2021-05-06 'A rich feast of his essays, reviews, forewords, squibs and conversations, in which talent and passion are married to deep knowledge.' Matt Ridley 'Enjoy the unfailing clarity of his thought and prose, as well as the grandeur of his vision of life on Earth.' - Mark Cocker, *Spectator* 'Richard Dawkins is a thunderously gifted science writer.' *Sunday Times* Including conversations with Neil DeGrasse Tyson, Steven Pinker, Matt Ridley and more, this is an essential guide to the most exciting ideas of our time and their proponents from our most brilliant science communicator. *Books Do Furnish a Life* is divided by theme, including celebrating nature, exploring humanity, and interrogating faith. For the first time, it brings together Richard Dawkins' forewords, afterwords and introductions to the work of some of the leading thinkers of our age - Carl Sagan, Lawrence Krauss, Jacob Bronowski, Lewis Wolpert - with a selection of his reviews to provide an electrifying celebration of science writing, both fiction and non-fiction. It is also a sparkling addition to Dawkins' own remarkable canon of work. Plenty of other scientists write well, but no one writes like Dawkins... here is Dawkins the teacher, the scholar, the polemicist, the joker, the aesthete, the poet, the satirist, the man of compassion as well as indignation, the slayer of superstition and, above all, the scientist. - *Areo Magazine*

A Force for Good Daniel Goleman 2015-06-23 For more than half a century, in such books as *The*

Art of Happiness and The Dalai Lama's Little Book of Inner Peace, the Dalai Lama has guided us along the path to compassion and taught us how to improve our inner lives. In **A Force for Good**, with the help of his longtime friend Daniel Goleman, the New York Times bestselling author of **Emotional Intelligence**, the Dalai Lama explains how to turn our compassionate energy outward. This revelatory and inspiring work provides a singular vision for transforming the world in practical and positive ways. Much more than just the most prominent exponent of Tibetan Buddhism, the Fourteenth Dalai Lama is also a futurist who possesses a profound understanding of current events and a remarkable caniness for modern social issues. When he takes the stage worldwide, people listen. **A Force for Good** combines the central concepts of the Dalai Lama, empirical evidence that supports them, and true stories of people who are putting his ideas into action—showing how harnessing positive energies and directing them outward has lasting and meaningful effects. Goleman details the science of compassion and how this singular guiding motivation has the power to • break such destructive social forces as corruption, collusion, and bias • heal the planet by refocusing our concerns toward our impact on the systems that support all life • reverse the tendency toward systemic inequity through transparency and accountability • replace violence with dialogue • counter us-and-them thinking by recognizing human oneness • create new economic systems that work for everyone, not just the powerful and rich • design schooling that teaches empathy, self-mastery, and ethics Millions of people have turned to the Dalai Lama for his unparalleled insight into living happier, more purposeful lives. Now, when the world needs his guidance more than ever, he shows how every compassion-driven human act—no matter how small—is integral for a more peaceful, harmonious world, building a force for a better future. Revelatory, motivating, and highly persuasive, **A Force for Good** is arguably the most important work from one of the world's most influential spiritual and political figures. Praise for **A Force for Good** “**A Force for Good** offers ideas that every individual can work with and build on, ranging from things that help the environment to things that help the less fortunate. [It's] a long-range, global plan from a brilliant futuristic thinker, so this is a book that can be of value to any human living on Earth. When you're ready for a jolt of optimism, pick up this book.”—Pop Culture Nerd “Far from being a self-help book, this examines specific ideas espoused by the Dalai Lama, such as emotional hygiene, compassionate economy, and education of the heart that can make the world a better place. An optimistic and thoughtful primer with practical applications.”—Booklist

Climbing Mount Improbable Richard Dawkins 1997-09-17 A brilliant book celebrating improbability as the engine that drives life, by the acclaimed author of **The Selfish Gene** and **The Blind Watchmaker**. The human eye is so complex and works so precisely that surely, one might believe, its current shape and function must be the product of design. How could such an intricate object have come about by chance? Tackling this subject—in writing that the New York Times called “a masterpiece”—Richard Dawkins builds a carefully reasoned and lovingly illustrated argument for evolutionary adaptation as the mechanism for life on earth. The metaphor of **Mount Improbable** represents the combination of perfection and improbability that is epitomized in the seemingly “designed” complexity of living things. Dawkins skillfully guides the reader on a breathtaking journey through the mountain's passes and up its many peaks to demonstrate that following the improbable path to perfection takes time. Evocative illustrations accompany Dawkins's eloquent descriptions of extraordinary adaptations such as the teeming populations of figs, the intricate silken world of spiders, and the evolution of wings on the bodies of flightless animals. And through it all runs the thread of DNA, the molecule of life, responsible for its own destiny on an unending pilgrimage through time. **Climbing Mount Improbable** is a book of great impact and skill, written by the most prominent Darwinian of our age.

The Selfish Gene Richard Dawkins 2016-05-26 The million copy international bestseller, critically acclaimed and translated into over 25 languages. As influential today as when it was first published, **The Selfish Gene** has become a classic exposition of evolutionary thought. Professor Dawkins articulates a gene's eye view of evolution - a view giving centre stage to these persistent units of information, and in which organisms can be seen as vehicles for their replication. This imaginative, powerful, and stylistically brilliant work not only brought the insights of Neo-Darwinism to a wide audience, but galvanized the biology community, generating much debate and stimulating whole new areas of research. Forty years later, its insights remain as relevant

today as on the day it was published. This 40th anniversary edition includes a new epilogue from the author discussing the continuing relevance of these ideas in evolutionary biology today, as well as the original prefaces and foreword, and extracts from early reviews. Oxford Landmark Science books are 'must-read' classics of modern science writing which have crystallized big ideas, and shaped the way we think.

The Ancestor's Tale Richard Dawkins 2005 A renowned biologist provides a sweeping chronicle of more than four billion years of life on Earth, shedding new light on evolutionary theory and history, sexual selection, speciation, extinction, and genetics.

Creation Steve Grand 2001 Mankind now has within its grasp the power to synthesize true artificial life, playing out Dr Frankenstein's dream in both cyberspace and the real world. In this book, Steve Grand, a leading exponent of artificial life, provides the first authoritative and comprehensive tour of the frontiers of this burgeoning new creation. He surveys what has been achieved so far and looks at future possibilities for generating autonomous, intelligent, even conscious living things. The fundamental questions he tackles range widely: what is life? What should the minds, brains and bodies of these new life forms be like? What philosophical guidelines and computational frameworks are necessary? At the heart of this brilliantly accessible and thought-provoking book is the author's unique imaginative vision - a vision based on his experience of making some of the most advanced artificial life currently available.

The Magic of Reality Richard Dawkins 2012-09-11 The best-selling author of *The God Delusion* and the artist of such award-winning graphic novels as *Wizard* and *Glass* address key scientific questions previously explained by rich mythologies, from the evolution of the first humans and the life cycle of stars to the principles of a rainbow and the origins of the universe. 150,000 first printing.

The Secrets of People Who Never Get Sick Gene Stone 2012-01-15 Who does not want to be healthier? Now in paperback: the book that Andrew Weil calls "offbeat, informative, and fun . . . a great read," and that has been praised as "a delightful dance through science" (New York Times bestselling author Mark Hyman, M.D.) and as a "remarkable and insightful book [that] offers you the chance to achieve the best health of your life" (Mark Liponis, M.D., Medical Director, Canyon Ranch). Written by bestselling author Gene Stone, *The Secrets of People Who Never Get Sick* arose from his desire to discover what might actually prevent him from getting sick himself. This book, the result of that exploration, tells the stories of twenty-five people who each possess a different secret of excellent health—a secret that makes sense and that Stone discovered has a true scientific underpinning. There are food secrets—why to take garlic and vitamin C, eat more probiotics, become a vegan, drink a tonic of brewer's yeast. Exercise secrets—the benefits of lifting weights, the power of stretching. Environmental secrets—living in a Blue Zone, understanding the value of germs. Emotional secrets—seek out and stay in touch with friends, cultivate your spirituality. Physical secrets—nap more, take cold showers in the morning. And the wisdom that goes back generations: Yes, chicken soup works. The stories make it personal, the research makes it real, and the do-it-yourself information shows how to integrate each secret into your own life, and become the next person who never gets sick.

Understanding Quarks Benjamin Houde 2021 "This book includes four chapters about quarks, which are a type of elementary particle and a fundamental constituent of matter. Chapter One is devoted to spectroscopy study of long-range quark-lepton strong interaction in solids as well as the origin of the mass of elementary particles. Chapter Two studies the production of top-quark pairs with a Higgs boson. Chapter Three begins with a brief historical outline of the development of the events that led to our understanding of quarks and analyzes the three families of quarks. Chapter Four discusses strange quark matter and strange quark stars as candidates for dark matter based on the Bodmer-Terazawa-Witten hypothesis"--

My Name Is Stardust Bailey Harris 2020-09 Everything in our solar system is made of stardust, including YOU! This beautiful scientific fact helps us understand our connection to the cosmos and everything in the world around us. A wondrous STEM book for children which explores the formation of our solar system, our planets, and evolution on our magnificent planet Earth. Written by a father daughter duo and edited by Dr. Eric Meikle, former Education Project Director at the National Center for Science Education, to include both science fact and wonderment. A full glossary of scientific terms are included at the back of the book. *My Name is Stardust* is fully

illustrated in watercolor and is a beautiful book that gets children excited about science and their connection to the cosmos.

***The God Delusion. 10th Anniversary Edition* Richard Dawkins 2016-05-19** The God Delusion caused a sensation when it was published in 2006. Within weeks it became the most hotly debated topic, with Dawkins himself branded as either saint or sinner for presenting his hard-hitting, impassioned rebuttal of religion of all types. His argument could hardly be more topical. While Europe is becoming increasingly secularized, the rise of religious fundamentalism, whether in the Middle East or Middle America, is dramatically and dangerously dividing opinion around the world. In America, and elsewhere, a vigorous dispute between 'intelligent design' and Darwinism is seriously undermining and restricting the teaching of science. In many countries religious dogma from medieval times still serves to abuse basic human rights such as women's and gay rights. And all from a belief in a God whose existence lacks evidence of any kind. Dawkins attacks God in all his forms. He eviscerates the major arguments for religion and demonstrates the supreme improbability of a supreme being. He shows how religion fuels war, foments bigotry and abuses children. The God Delusion is a brilliantly argued, fascinating polemic that will be required reading for anyone interested in this most emotional and important subject.

A Devil's Chaplain Richard Dawkins 2004-10-27 Essays on morality, mortality, and much more from the New York Times bestselling author of *The Selfish Gene* and *The God Delusion*. This early collection of essays from renowned evolutionary biologist Richard Dawkins is an enthusiastic declaration, a testament to the power of rigorous scientific examination to reveal the wonders of the world. In these essays, Dawkins revisits the meme, the unit of cultural information that he named and wrote about in his groundbreaking work, *The Selfish Gene*. Here also are moving tributes to friends and colleagues, including a eulogy for novelist Douglas Adams, author of *The Hitchhiker's Guide to the Galaxy*; correspondence with fellow biologist Stephen Jay Gould; commentary on the events of 9/11; and visits with the famed paleoanthropologists Richard and Meave Leakey at their African wildlife preserve. Ending with a vivid note to Dawkins's ten-year-old daughter, reminding her to remain curious, ask questions, and live the examined life, *A Devil's Chaplain* is a fascinating read by "a man of firm opinions, which he expresses with clarity and punch" (*Scientific American*).

The Magic of Reality Richard Dawkins 2012-09-11 An elegant, text-only paperback edition of the New York Times bestseller that's been hailed as the definitive authority on...everything. Richard Dawkins, bestselling author and the world's most celebrated evolutionary biologist, has spent his career elucidating the many wonders of science. Here, he takes a broader approach and uses his unrivaled explanatory powers to illuminate the ways in which the world really works. Filled with clever thought experiments and jaw-dropping facts, *The Magic of Reality* explains a stunningly wide range of natural phenomena: How old is the universe? Why do the continents look like disconnected pieces of a jigsaw puzzle? What causes tsunamis? Why are there so many kinds of plants and animals? Who was the first man, or woman? Starting with the magical, mythical explanations for the wonders of nature, Dawkins reveals the exhilarating scientific truths behind these occurrences. This is a page-turning detective story that not only mines all the sciences for its clues but primes the reader to think like a scientist as well.

Quantum Man: Richard Feynman's Life in Science (Great Discoveries) Lawrence M. Krauss 2012-03-26 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.

Outgrowing God Richard Dawkins 2019-10-08 Should we believe in God? In this brisk introduction to modern atheism, one of the world's greatest science writers tells us why we shouldn't. Richard Dawkins was fifteen when he stopped believing in God. Deeply impressed by the beauty and complexity of living things, he'd felt certain they must have had a designer. Learning about evolution changed his mind. Now one of the world's best and bestselling science communicators, Dawkins has given readers, young and old, the same opportunity to rethink the big questions. In twelve fiercely funny, mind-expanding chapters, Dawkins explains how the natural world arose without a designer—the improbability and beauty of the “bottom-up programming” that engineers an embryo or a flock of starlings—and challenges head-on some of the most basic assumptions made by the world's religions: Do you believe in God? Which one? Is the Bible a “Good Book”? Is

adhering to a religion necessary, or even likely, to make people good to one another? Dissecting everything from Abraham's abuse of Isaac to the construction of a snowflake, *Outgrowing God* is a concise, provocative guide to thinking for yourself. Praise for *Outgrowing God* "My son came home from his first day in the sixth grade with arms outstretched plaintively demanding to know: 'Have you ever heard of Jesus?' We burst out laughing. Maybe not our finest parenting moment, given that he was genuinely distraught. He felt that he had woken up one day to a world in which his peers were expressing beliefs he found frighteningly unreasonable. He began devouring books like *The God Delusion*, books that helped him formulate his own arguments and helped him stand his ground. Dawkins's new book is special in the terrain of atheists' pleas for humanism and rationalism precisely since it speaks to those most vulnerable to the coercive tactics of religion. As Dawkins himself says in the dedication, this book is for 'all young people when they're old enough to decide for themselves.' It is also, I must add, for their parents."—Janna Levin, author of *Black Hole Blues* "When someone is considering atheism I tell them to read the Bible first and then Dawkins. *Outgrowing God*—second only to the Bible!"—Penn Jillette, author of *God, No!*

The Magic of Reality Richard Dawkins 2011-10-04 Magic takes many forms. Supernatural magic is what our ancestors used in order to explain the world before they developed the scientific method. The ancient Egyptians explained the night by suggesting the goddess Nut swallowed the sun. The Vikings believed a rainbow was the gods' bridge to earth. The Japanese used to explain earthquakes by conjuring a gigantic catfish that carried the world on its back—earthquakes occurred each time it flipped its tail. These are magical, extraordinary tales. But there is another kind of magic, and it lies in the exhilaration of discovering the real answers to these questions. It is the magic of reality—science. Packed with clever thought experiments, dazzling illustrations and jaw-dropping facts, *The Magic of Reality* explains a stunningly wide range of natural phenomena. What is stuff made of? How old is the universe? Why do the continents look like disconnected pieces of a puzzle? What causes tsunamis? Why are there so many kinds of plants and animals? Who was the first man, or woman? This is a page-turning, graphic detective story that not only mines all the sciences for its clues but primes the reader to think like a scientist as well. Richard Dawkins, the world's most famous evolutionary biologist and one of science education's most passionate advocates, has spent his career elucidating the wonders of science for adult readers. But now, in a dramatic departure, he has teamed up with acclaimed artist Dave McKean and used his unrivaled explanatory powers to share the magic of science with readers of all ages. This is a treasure trove for anyone who has ever wondered how the world works. Dawkins and McKean have created an illustrated guide to the secrets of our world—and the universe beyond—that will entertain and inform for years to come.

Magic of Reality: how We Know What's Really True Richard Dawkins 2011

Reality Is Not What It Seems Carlo Rovelli 2017-01-24 "The man who makes physics sexy . . . the scientist they're calling the next Stephen Hawking." —The Times Magazine From the New York Times-bestselling author of *Seven Brief Lessons on Physics*, *The Order of Time*, and *Helgoland*, a closer look at the mind-bending nature of the universe. What are the elementary ingredients of the world? Do time and space exist? And what exactly is reality? Theoretical physicist Carlo Rovelli has spent his life exploring these questions. He tells us how our understanding of reality has changed over the centuries and how physicists think about the structure of the universe today. In elegant and accessible prose, Rovelli takes us on a wondrous journey from Democritus to Albert Einstein, from Michael Faraday to gravitational waves, and from classical physics to his own work in quantum gravity. As he shows us how the idea of reality has evolved over time, Rovelli offers deeper explanations of the theories he introduced so concisely in *Seven Brief Lessons on Physics*. This book culminates in a lucid overview of quantum gravity, the field of research that explores the quantum nature of space and time, seeking to unify quantum mechanics and general relativity. Rovelli invites us to imagine a marvelous world where space breaks up into tiny grains, time disappears at the smallest scales, and black holes are waiting to explode—a vast universe still largely undiscovered.

Flights of Fancy Richard Dawkins 2021-11-11 Richard Dawkins explores the wonder of flight. A book for ages 8-80 about flying - from the mythical Icarus, to the sadly extinct but magnificent bird *Argentavis magnificens*, to the British Airways pilots of today.

Evolutionary Perspectives on Human Sexual Psychology and Behavior Viviana A. Weekes-

Shackelford 2014-07-08 This volume in the Springer Series in Evolutionary Psychology presents a state of the art view of the topic of sexuality and sexual behavior drawing on theoretical constructs and research of noted individuals in the field. Comprehensive and multi-disciplinary, this book seeks to provide a broad overview without sacrificing the complexity of a multi-faceted approach. The book is framed by introductory and closing sections that provide a context for the range of ideas contained within. Ample space is provided in designated sections that focus on key areas of sexuality from both male and female perspectives and that include information from primate studies. This volume can serve as a graduate text in sexual behavior in evolutionary terms and as a guide for further research.

***The Greatest Show on Earth* Richard Dawkins 2009-09-22** Richard Dawkins transformed our view of God in his blockbuster, *The God Delusion*, which sold millions of copies in English alone. He revolutionized the way we see natural selection in the seminal bestseller *The Selfish Gene*. Now, he launches a fierce counterattack against proponents of "Intelligent Design" in his New York Times bestseller, *The Greatest Show on Earth*. "Intelligent Design" is being taught in our schools; educators are being asked to "teach the controversy" behind evolutionary theory. There is no controversy. Dawkins sifts through rich layers of scientific evidence—from living examples of natural selection to clues in the fossil record; from natural clocks that mark the vast epochs wherein evolution ran its course to the intricacies of developing embryos; from plate tectonics to molecular genetics—to make the airtight case that "we find ourselves perched on one tiny twig in the midst of a blossoming and flourishing tree of life and it is no accident, but the direct consequence of evolution by non-random selection." His unjaded passion for the natural world turns what might have been a negative argument, exposing the absurdities of the creationist position, into a positive offering to the reader: nothing less than a master's vision of life, in all its splendor.

Fear of Physics Lawrence M. Krauss 2007-07-30 "Assume the cow is a sphere." So begins this lively, irreverent, and informative look at everything from the physics of boiling water to cutting-edge research at the observable limits of the universe. Rich with anecdotes and accessible examples, *Fear of Physics* nimbly ranges over the tools and thought behind the world of modern physics, taking the mystery out of what is essentially a very human intellectual endeavour.
Joosr Guide to ... the Magic of Reality by Richard Dawkins Joosr 2015

The Selfish Gene Richard Dawkins 1989 An ethologist shows man to be a gene machine whose world is one of savage competition and deceit

Science in the Soul Richard Dawkins 2017-08-08 NEW YORK TIMES BESTSELLER • The legendary biologist and bestselling author mounts a timely and passionate defense of science and clear thinking with this career-spanning collection of essays, including twenty pieces published in the United States for the first time. For decades, Richard Dawkins has been a brilliant scientific communicator, consistently illuminating the wonders of nature and attacking faulty logic. *Science in the Soul* brings together forty-two essays, polemics, and paeans—all written with Dawkins's characteristic erudition, remorseless wit, and unjaded awe of the natural world. Though it spans three decades, this book couldn't be more timely or more urgent. Elected officials have opened the floodgates to prejudices that have for half a century been unacceptable or at least undercover. In a passionate introduction, Dawkins calls on us to insist that reason take center stage and that gut feelings, even when they don't represent the stirred dark waters of xenophobia, misogyny, or other blind prejudice, should stay out of the voting booth. And in the essays themselves, newly annotated by the author, he investigates a number of issues, including the importance of empirical evidence, and decries bad science, religion in the schools, and climate-change deniers. Dawkins has equal ardor for "the sacred truth of nature" and renders here with typical virtuosity the glories and complexities of the natural world. Woven into an exploration of the vastness of geological time, for instance, is the peculiar history of the giant tortoises and the sea turtles—whose journeys between water and land tell us a deeper story about evolution. At this moment, when so many highly placed people still question the fact of evolution, Dawkins asks what Darwin would make of his own legacy—"a mixture of exhilaration and exasperation"—and celebrates science as possessing many of religion's virtues—"explanation, consolation, and uplift"—without its detriments of superstition and prejudice. In a world grown irrational and hostile to facts, *Science in the Soul* is an essential collection by an indispensable author. Praise

for *Science in the Soul* “Compelling . . . rendered in gloriously spiky and opinionated prose . . . [Dawkins is] one of the great science popularizers of the last half-century.”—The Christian Science Monitor “Dawkins is a ferocious polemicist, a defender of reason and enemy of superstition.”—John Horgan, *Scientific American*

***Unweaving the Rainbow* Richard Dawkins 2000-04-05** 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

***God, No!* Penn Jillette 2012-06-05** The outspoken half of magic duo Penn & Teller presents an atheistic reinterpretation of the Ten Commandments, discussing why doubt, skepticism, and wonder should be celebrated and offering humorous stories from his own experiences.