

## How The World Works A Hands On Guide To Our Amazing Planet Explore The Earth

*The New York Times* bestseller *“A clear and concise account of the history, diplomacy, economics, and societal forces that have molded the modern global system.”*—*Foreign Affairs* An invaluable primer from Richard Haass, president of the Council on Foreign Relations, that will help anyone, expert and non-expert alike, navigate a time in which many of our biggest challenges come from the world beyond our borders. Like it or not, we live in a global era, in which what happens thousands of miles away has the ability to affect our lives. This time, it is a Coronavirus known as Covid-19, which originated in a Chinese city many had never heard of but has spread to the corners of the earth. Next time it could well be another infectious disease from somewhere else. Twenty years ago it was a group of terrorists trained in Afghanistan and armed with box-cutters who commandeered four airplanes and flew them into buildings (and in one case a field) and claimed nearly three thousand lives. Next time it could be terrorists who use a truck bomb or gain access to a weapon of mass destruction. In 2016 hackers in a nondescript office building in Russia traveled virtually in cyberspace to manipulate America’s elections. Now they have burrowed into our political life. In recent years, severe hurricanes and large fires linked to climate change have ravaged parts of the earth; in the future we can anticipate even more serious natural disasters. In 2008, it was a global financial crisis caused by mortgage-backed securities in America, but one day it could well be a financial contagion originating in Europe, Asia, or Africa. This is the new normal of the 21st century. The World is designed to provide readers of any age and experience with the essential background and building blocks they need to make sense of this complicated and interconnected world. It will empower them to manage the Flood of daily news. Readers will become more informed, discerning citizens, better able to arrive at sound, independent judgments. While it is impossible to predict what the next crisis will be or where it will originate, those who read *The World* will have what they need to understand its basics and the principal choices for how to respond. In short, this book will make readers more globally literate and put them in a position to make sense of this era. Global literacy—knowing how the world works—is a must, as what goes on outside a country matters enormously to what happens inside. Although the United States is bordered by two oceans, those oceans are not moats. And the so-called Vegas rule—what happens there stays there—does not apply in today’s world to anyone anywhere. U.S. foreign policy is uniquely American, but the world Americans seek to shape is not. Globalization can be both good and bad, but it is not something that individuals or countries can opt out of. Even if we want to ignore the world, it will not ignore us. The choice we face is how to respond. We are connected to this world in all sorts of ways. We need to better understand it, both its promise and its threats, in order to make informed choices, be it as students, citizens, voters, parents, employees, or investors. To help readers do just that, *The World* focuses on essential history, what makes each region of the world tick, the many challenges globalization presents, and the most influential countries, events, and ideas. Explaining complex ideas with wisdom and clarity, Richard Haass’s *The World* is an evergreen book that will remain relevant and useful as history continues to unfold.

*Provides a comprehensive explanation of how the economy works while examining the roots of the current crisis and offering advice to prevent future meltdowns.*

*“One of the most found and illuminating studies of this century to have been published in recent decades.”—John Gray, New York Times Book Review* Hailed as *“a magisterial critique of top-down social planning”* by the *New York Times*, this essential work analyzes disasters from Russia to Tanzania to uncover why states so often fail—sometimes catastrophically—in grand efforts to engineer their society or their environment, and uncovers the conditions common to all such planning disasters. *“Beautifully written, this book calls into sharp relief the nature of the world we now inhabit.”—New Yorker “A tour de force.”—Charles Tilly, Columbia University*

*Fun and fascinating science is everywhere, and it’s a cinch to learn—just ask a science teacher! We’ve all grown so used to living in a world filled with wonders that we sometimes forget to wonder about them: What creates the wind? Do fish sleep? Why do we blink? These are common phenomena, but it’s a rare person who really knows the answers—do you? All too often, the explanations remain shrouded in mystery—or behind a haze of technical language. For those of us who should have raised our hands in science class but didn’t, Larry Schechel comes to the rescue. An award-winning science teacher and longtime columnist for his local newspaper, Schechel is a master explainer with a trove of knowledge. Just ask the students and devoted readers who have spent years trying to stump him! In Ask a Science Teacher, Schechel collects 250 of his favorite Q&As. Like the best teachers, he writes so that kids can understand, but he doesn’t water things down—he’ll satisfy even the most inquisitive minds. Topics include: •The Human Body •Earth Science •Astronomy •Chemistry Physics •Technology •Zoology •Music and conundrums that don’t fit into any category With refreshingly uncluttered explanations, Ask a Science Teacher is sure to resolve the everyday mysteries you’ve always wondered about. You’ll learn how planes really fly, why the Earth is round, how microwaves heat food, and much more—before you know it, all your friends will be asking you!*

*From Prehuman Times to the French Revolution*

*The Story of Philosophy*

*From Hydrogen to Oganesson*

*A Guide to Science’s Greatest Discoveries*

*A Brief Introduction*

*The Science Behind How We Got Here and Where We’re Going*

Presents the ideas of one of America’s most influential intellectuals, in a readable interview format that offers Chomsky’s views on violence in the United States, what “democracy” really means, the coming ecocatastrophe, and Clinton’s health plan. Original. IP.

Nations are not trapped by their pasts, but events that happened hundreds or even thousands of years ago continue to exert huge influence on present-day politics. If we are to understand the politics that we now take for granted, we need to understand its origins. Francis Fukuyama examines the paths that different societies have taken to reach their current forms of political order. This book starts with the very beginning of mankind and comes right up to the eve of the French and American revolutions, spanning such diverse disciplines as economics, anthropology and geography. The Origins of Political Order is a magisterial study on the emergence of mankind as a political animal, by one of the most eminent political thinkers writing today.

Presents information about the workings of the world, pairing illustrations and photograph collages with text that explains related phenomena, processes, and systems that affect our world and way of life.

Introduces the earth’s natural cycles and the impact of human actions on the environment, and invites young readers to lift flaps, turn wheels, and pull tabs to learn more.

The Ideas That Shaped a Century and a Company

The Story of Astronomy

From the Big Bang to the Present Day...and Beyond

This Explains Everything

From Ancient Greeks to Great Thinkers of Modern Times

Principles

“For thousands of years, the stars, planets, Moon and Sun were central to religious and superstitious beliefs. Astronomy had its origins in the context of those beliefs. From this starting point, scientific thinking emerged as humans began to seek explanations for the existence of celestial bodies that did not rely on the supernatural. In the 17th century, the invention of the telescope marked a watershed, opening the heavens to scrutiny and revealing that the planets are other worlds. The wonders of space have multiplied ever since, puzzling and entrancing us. [This book] charts our fascination with the stars, from before Stonehenge to the search for exoplanets and extra-terrestrial life”—Book flap.

Nicholson Baker, who “writes like no one else in America” (Newsweek), here assembles his best short pieces from the last fifteen years. The Way the World Works, Baker’s second nonfiction collection, ranges over the map of life to examine what troubles us, what eases our pain, and what brings us joy. Baker moves from political controversy to the intimacy of his own life, from forgotten heroes of pacifism to airplane wings, telephones, paper mills,

David Romnick, Joseph Pultzer, the OED, and the manufacture of the Venetian gondola. He writes about kite string and about the moment he met his wife, and he surveys our fascination with video games while attempting to beat his teenage son at Modern Warfare 2. In a celebrated essay on Wikipedia, Baker describes his efforts to stem the tide of encyclopedic deletionism; in another, he charts the rise of e-readers; in a third he chronicles his Freedom of Information Act request for the San Francisco Public Library. Through all these pieces, many written for The New Yorker, Harper’s, and The American Scholar, Baker shines the light of an inexorable curiosity. The Way the World Works is a keen-minded, generous-spirited compendium by a modern American master.

This book is about hope and a call to action to make the world the kind of place we want to live in. Our hope is to provoke conversation, and gently challenge possibly long-held views, beliefs, and ideologies about the way the world works and the people in that world. Written by eminent researchers and experienced practitioners, the book explores the principles that underpin living well, and gives examples of how this can be achieved not just in our own lives, but across communities and the planet we share. Chapters cover the stages of life from childhood to ageing, the foundations of everyday flourishing, including health and relationships, and finally wellbeing in the wider world, addressing issues such as economics, politics and the environment. Based in the scientific evidence of what works and supported by illustrations of good practice, this book is both ambitious and aspirational. The book is designed for a wide audience - anyone seeking to create positive change in the world, their institutions or communities.

Looks at current social and economic conditions, corporate welfare, white collar crime, the media, Third World debt, and globalization

The Story of Religion

Chemistry

A Scientist’s Guide to Our Past, Present and Future

The Way the World Works

How the Economy Works in the Real World

From Plotting the Stars to Pulsars and Black Holes

*How the World Works builds on students’ instincts about current world events and develops them into a more systematic and enduring understanding. This brief text introduces each of the field’s major theories and demonstrates how different conceptual tools are used to interpret patterns in international relations. How the World Works not only grounds students in the essentials of international relations but also helps students use them to see past the headlines.*

*Readings on How the World Works presents writings on contemporary issues in international relations and provides examples of how the field’s major theories explain real-world events. Designed to complement the coverage in survey texts like How the World Works, this reader balances analytical and descriptive selections that are accessible for students new to political science. Readings on How the World Works is easy and inexpensive to add to any course and helps students develop a more systematic and enduring understanding of international relations.*

*Provides concise explanations of scientific concepts, principles, practices, theories, and discoveries and discusses the careers of important scientists*

*International Politics: Comparing Paradigms REVEL for “How the World Works: A Brief Survey of International Relations” provides the detailed, micro-level knowledge students need to understand world politics, harnessing students curiosity about global current events. Author Russell Bova covers the continuing swirl of events that dominate world politics in our present from the Arab Spring, to the Russian invasion of Crimea, to the rise of ISIS, to the Ebola crisis in West Africa. REVEL for the Third Edition makes improvements in general while maintaining its core mission: to tap into students interest in current events and help each student build a conceptual and theoretical sophistication that remains when these current events become a part of history. REVEL for “How the World Works” challenges students to question their assumptions about the world and what they may think they already know about international relations. Overall, it makes it clear that even scholars and politicians disagree about the world’s political and economic interactions, and makes a point to introduce students to all paradigms encouraging them to form their own opinions about how the world works. REVEL is Pearson’s newest way of delivering our respected content. Fully digital and highly engaging, REVEL replaces the textbook and gives students everything they need for the course. Informed by extensive research on how people read, think, and learn, REVEL is an interactive learning environment that enables students to read, practice, and study in one continuous experience for less than the cost of a traditional textbook. NOTE: REVEL is a fully digital delivery of Pearson content. This ISBN is for the standalone REVEL access card. In addition to this access card, you will need a course invite link, provided by your instructor, to register for and use REVEL. ”*

*How the World Works: the Universe*

*How the World Works*

*The rich history of the world’s major faiths*

*How the World Works: Mathematics*

*Creating The World We Want To Live In*

*How Positive Psychology Can Build a Brighter Future*

A companion volume to The Story of Mathematics, The Story of Medicine and The Story of Physics, this book traces the strands of thought in western philosophy from the Ancient Greeks to the present day. Approaches to key questions are considered in chronological order, showing how each philosopher’s thoughts have been influenced by those who have gone before, and have evolved or diversified over time. The Story of Philosophy includes easily absorbed explorations of all five branches of philosophy (metaphysics, epistemology, logic, ethics and aesthetics). The accessible format features full-colour illustrations and panels giving biographies of important figures, accounts of important texts, and definitions of key philosophical concepts.

Packed with stickers, awesome activities, games and puzzles Based on the multi-award-winning series, this fun-filled activity book is crammed with stickers, colouring, word searches, mazes, puzzles and more. The activities are designed to reinforce learning of the amazing facts from the core books. Bound to keep kids amused for hours on end. AGES: 5-7 years AUTHOR: Christiane Dorian is a writer and educational consultant who has taught sustainable development for over 20 years. She coordinate the WWF UK Primary Education programme and has written a number of children’s books about the environment. Beverly Young has worked with IPC Magazines, D.C. Thompson and Co. Ltd., and Makebelieve Ideas. Her books in this series have won multiple awards. SELLING POINTS: \* ‘How the World Works’ won the Royal Society Young People’s Book Prize \* Series has sold over 270,000 copies worldwide \* Contains over 500 stickers \* Activities help improve vocabulary and visual acuity as well as reinforcing learning of geography and science topics \*\*\*Sticker Activity Book\*\*\*

Covers animals, climate samples, earth history, biomes, volcanoes, geology, water, radiation, earthquake samples, plant samples, and so much more! Will teach you how continents move. Show how mountains are built and then eroded away. Follows our world on her ever-changing journey in slow motion with acute attention to detail. Compiles the history of the earth and all of our knowledge on the way the different pieces of the planet fit together. This inspiring book explains, with info-graphics, 3D illustrations and so much more, the function of thousands of organisms, natural systems and atmospheric systems, geographical and geological phenomena. How the Earth Works is a work intended to put the world in the hands of all readers, for the understanding of the most complex mechanisms that rule the natural world. The entire family will have the perfect editorial ally to get immersed in the intricacies of our planet and all its natural beauties and creatures.

With exceptional clarity and power of argument, Noam Chomsky lays bare as no one else can the realities of contemporary geopolitics. Divided into four sections, originally published in the US only as individual short books, collectively selling over half a million copies, How the World Works covers: \* What Uncle Sam Really Wants: the main goals of US foreign policy; the devastation caused abroad; the brainwashing at home \* The Prosperous Few and the Restless Many: the new global economy; food and Third World ‘economic miracles’: the roots of racism \* Secrets, Lies and Democracy: the US, the CIA, religious fundamentalism; global inequality; the coming eco-catastrophe \* The Common Good: equality, freedom, the media; the myth of Third World debt; manufacturing dissent

Essays

From plotting the stars to pulsars and black holes

The History of Mathematics

The Origins of Political Order

A Brief Survey of International Relations

250 Answers to Questions You’ve Always Had About How Everyday Stuff Really Works

Drawn from the cutting-edge frontiers of science, This Explains Everything will revolutionize your understanding of the world. What is your favorite deep, elegant, or beautiful explanation? This is the question John Brockman, publisher of Edge.org (“The world’s smartest website”—The Guardian), posed to the world’s most influential minds. Flowing from the horizons of physics, economics, psychology, neuroscience, and more, This Explains Everything presents 150 of the most surprising and brilliant theories of the way our world works. Nassim Nicholas Taleb on positive stress • Steven Pinker on the deep genetic roots of human conflict • Richard Dawkins on pattern recognition • Nobel Prize-winning physicist Frank Wilczek on simplicity • Lisa Randall on the Higgs mechanism • BRIAN Eno on the limits of intuition • Richard Thaler on the power of commitment • V. S. Ramachandran on the ‘neural code’ of consciousness • Nobel Prize winner ERIC KANDEL on the power of psychotherapy • Mihaly Csikszentmihalyi on ‘Lord Acton’s Dictum’ • Lawrence M. Krauss on the future of space exploration • Daniel C. Dennett • Sherry Turkle • Philip Zimbardo • Lee Smolin • Rebecca Newberger Goldstein • Seth Lloyd • Stewart Brand • George Dyson • Matt Ridley

A sweeping history of the full range of human labor Few authors are able to write cogently in both the scientific and the economic spheres. Even fewer possess the intellectual scope needed to address science and economics at a macro as well as a micro level. But Paul Cockshott, using the dual lenses of Marxist economics and technological advance, has managed to pull off a stunningly acute critical perspective of human history, from pre-agricultural societies to the present. In How the World Works, Cockshott covers historical analysis. This book will astound readers of all backgrounds and ages; it will also will engage scholars of history, science, and economics for years to come.

Everything in the universe is made of chemical elements - including you. In 1869, Russian chemist Dmitri Mendeleev produced a periodic table designed to illustrate the properties of the known elements. This arrangement of the elements in order of increasing atomic number was an important milestone in the development of chemistry, and led to the establishment of periodic law. Written in a straightforward, easily comprehensible way, The Periodic Table explores the story of each element, describing the people who discovered it.

According to The New York Times, Noam Chomsky is “arguably the most important intellectual alive.” But he isn’t easy to read. . . or at least he wasn’t until these books came along. Made up of intensively edited speeches and interviews, they offer something not found anywhere else: pure Chomsky, with every dazzling idea and penetrating insight intact, delivered in clear, accessible, reader-friendly prose. Published as four short books in the famous Real Story series—What Uncle Sam Really Wants: The Prosperous Few and the Restless Many; The Common Good; Secrets, Lies and Democracy; and How the World Works—this series has sold over 600,000 copies. And they continue to sell year after year after year because Chomsky’s ideas become, if anything, more relevant as time goes by. For example, twenty years ago he pointed out that “in 1970, about 90% of international capital was used for trade and long-term investment—more or less productive things—and 10% for speculation. By 1990, those figures had reversed.” As we know, speculation continued to increase exponentially. We’re paying the price now for not heeding him.

From Creating the Pyramids to Exploring Infinity

Making the World Work Better

Changing the Way the World Works

The Delphi Book

The Little Book of Economics

On how the world works

This book traces the history of the world’s great religions from their foundation to the present day. Their development is shown in interesting visuals – such as maps and photographs – as well as informative yet concise text. Also included are short biographies of major figures, statistics, calendars of festivals and timelines. The religions included are: Buddhism, Christianity, Hinduism, Islam, Judaism and Sikhism. A beautifully written and challenging perspective on how we can change the way the world works. The Delphi Book introduces The Polarity Grid – a structure which underpins our personal view of the world and imposes powerful constraints on how we think and behave. We are born into the Grid, we live our life in the Grid, and we are supposed to remain in the Grid. In a direct challenge and invitation, we are urged to go beyond our Grid. This is the individual revolution – an essential step for bringing change into our life and work. Although the rhetoric of change dominates political and organisational discourse, we are struggling to respond to global challenges. We face important choices about how we live; we know we need to change, but we do not know how to change. This original and powerful book explores the nature of the change required.

This book covers everything from the very first seconds to the possible end of the universe. The story of the universe began 13.8 billion years ago; our discovery of it has begun more recently. Unlike other types of scientific enquiry, cosmology is not an experimental science. It is largely theoretical, with the few experiments that are possible being designed to test out the theory. Our discovery of the history of the universe is largely a triumph of mathematics and philosophy, more recently known as theoretical physics.This book is two stories in one: the narrative of the universe itself, from the Big Bang to the present day, alongside the story of how scientists and mathematicians uncovered its history.

Vaclav Smil is my favorite author. —Bill Gates An essential analysis of the modern science and technology that makes our twenty-first century lives possible—a scientist’s investigation into what science really does, and does not, accomplish. We have never had so much information at our fingertips and yet most of us don’t know how the world really works. This book explains seven of the most fundamental realities governing our survival and prosperity. From energy and food production, through our material world and its globalization, to risks, our environment and its future, How the World Really Works offers a much-needed reality check—because before we can tackle problems effectively, we must understand the facts. In this ambitious and thought-provoking book, we see, for example, that globalization isn’t inevitable—the foolishness of allowing 70 per cent of the world’s rubber gloves to be made in just one factory became glaringly obvious in 2020—and that our societies have been steadily increasing their dependence on fossil fuels, such that any promises of decarbonization by 2050 are a fairy tale. For example, each greenhouse-grown supermarket-bought tomato has the equivalent of five tablespoons of diesel embedded in its production, and we have no way of producing steel, cement or plastics at required scales without huge carbon emissions. Ultimately, Smil answers the most profound question of our age: are we irrevocably doomed or is a brighter utopia ahead? Compelling, data-rich and revisionist, this wonderfully broad, interdisciplinary guide finds faults with both extremes. Looking at the world through this quantitative lens reveals hidden truths that change the way we see our past, present and uncertain future.

The Story of Human Labor from Prehistory to the Modern Day

How The World Works

How the World Works: Astronomy

How the World Really Works

How Certain Schemes to Improve the Human Condition Have Failed

Secrets, Lies and Democracy

“Astronomy, as nothing else can do, teaches men humility.” Arthur C. Clarke. The Challenge of the SpaceShip For thousands of years, the stars, planets, Moon and Sun were central to religious and superstitious beliefs. Astronomy has its origins in the context of these beliefs. From this starting point, scientific thinking emerged, as humans began to seek explanations for the existence of celestial bodies - explanations that did not rely on the supernatural. In the 17th century, the invention of the telescope marked a watershed, opening the heavens to scrutiny and revealing that the planets are other worlds. The wonders of space have multiplied ever since, puzzling and entrancing us. The Story of Astronomy charts our fascination with the search for exoplanets and extra-terrestrial life. This accessible, fascinating account of discoveries, from the times of Palaeolithic star-gazers to current space missions, shows how we have come to know so much about the universe. At the same time, unfolding knowledge has opened new horizons to explore. Our understanding of the boundless cosmos has only just begun. Topics include: Cosmology; from ancient times to the Big Bang Our place in the solar system Astronauts, telescopes and radio astronomy Mapping the stars Space missions and probes Comets, asteroids, supernovae and black holes The unknown, from empty space to dark energy

Thomas J Watson Sr ’ s motto for IBM was THINK, and for more than a century, that one little word worked overtime. In Making the World Work Better: The Ideas That Shaped a Century and a Company , journalists Kevin Maney, Steve Hamm, and Jeffrey M. O ’ Brien mark the Centennial of IBM ’ s founding by examining how IBM has distinctly contributed to the evolution of technology and the modern corporation over the past 100 years. The authors offer a fresh analysis through interviews of many key figures, chronicling the Nobel Prize-winning work of the company ’ s research laboratories and uncovering rich archival material, including hundreds of vintage photographs and drawings. The book recounts the company ’ s missteps, as well as its successes. It captures moments of high drama – from the bet-the-business gamble on the legendary System/360 in the 1960s to the turnaround from the company ’ s near-death experience in the early 1990s. The authors have shaped a narrative of discoveries, struggles, individual insights and lasting impact on technology, business and society. Taken together, their essays reveal a distinctive mindset and organizational culture, animated by a deeply held commitment to the hard work of progress. IBM engineers and scientists invented many of the building blocks of modern information technology, including the memory chip, the disk drive, the scanning tunnelling microscope (essential to nanotechnology) and even new fields of mathematics. IBM brought the punch-card tabulator, the mainframe and the personal computer into the mainstream of business and modern life. IBM was the first large American company to pay all employees salaries rather than hourly wages, an early champion of hiring women and minorities and a pioneer of new approaches to doing business—with its model of the globally integrated enterprise. And it has had a lasting impact on the course of society from enabling the US Social Security System, to the space program, to airline reservations, modern banking and retail, to many of the ways our world today works. The lessons for all businesses – indeed, all institutions – are powerful: To survive and succeed over a long period, you have to anticipate change and to be willing and able to continually transform. But while change happens, progress is deliberate. IBM – deliberately led by a pioneering culture and grounded in a set of core ideas – came into being, grew, thrived, nearly died, transformed itself... and is now charting a new path forward for its second century toward a perhaps surprising future on a planetary scale.

\*\*\* THE NEW YORK TIMES BESTSELLER \*\*\* “Another masterpiece from one of my favorite authors. . . if you want a brief but thorough education in numeric thinking about many of the fundamental forces that shape human life, this is the book to read. It’s a tour de force” BILL GATES \_\_\_\_\_ We have never had so much information at our fingertips and yet most of us don’t know how the world really works. This book explains seven of the most fundamental realities governing our survival and prosperity. From energy and food production, through our material world and its globalization, to risks, our environment and its future, How the World Really Works offers a much-needed reality check - because before we can tackle problems effectively, we must understand the facts. In this ambitious and thought-provoking book we see, for example, that globalization isn’t inevitable - the perils of allowing 70 per cent of the world’s rubber gloves to be made in just one factory became glaringly obvious in 2020 - and that our societies have been steadily increasing their dependence on fossil fuels, making their complete and rapid elimination unlikely. For example, each greenhouse-grown supermarket-bought tomato requires the equivalent of five tablespoons of diesel oil for its production; and we still lack any commercially viable ways of making steel, ammonia, cement or plastics on the scale required globally without fossil fuels. Vaclav Smil is neither a pessimist nor an optimist, he is a scientist; he is the world-leading expert on energy and an astonishing polymath. This is his magnum opus and a continuation of his quest to make facts matter. Drawing on the latest science, including his own fascinating research, and tackling sources of misinformation head on - from Yuval Noah Harari to Noam Chomsky - ultimately Smil answers the most profound question of our age: are we irrevocably doomed or is a brighter utopia ahead? Compelling, data-rich and revisionist, this wonderfully broad, interdisciplinary masterpiece finds faults with both extremes. Looking at the world through this quantitative lens reveals hidden truths that change the way we see our past, present and uncertain future. \_\_\_\_\_ “Very informative and eye-opening in many ways” Ha-Joon Chang, author of 23 Things They Don’t Tell You About Capitalism “If you are anxious about the future, and infuriated that we aren’t doing enough about it, please read this book” Paul Collier, author of The Future of Capitalism

In a frank and unpretentious series of letters addressed to a teenage granddaughter, this highly original book teaches us to know and understand the world we live in and its rules, and how to behave in it. In these thirty letters, Alan Macfarlane answers his granddaughter’s questions about how the world works, how it got to be as it is, what it could be, and where she fits in. Lily’s enquiries range from the intimate, personal and moral to the political, social and philosophical. What is the nature of good and evil? What is religion? How can I be truly me? Is right and wrong the same wherever you are? What is beauty? Does there have to be torture? Does money matter? Is knowledge always good? What is progress? What is truth? What is sex? Is democracy a good idea? These are just a few of the questions. In responding to Lily’s challenging problems, Alan Macfarlane, from a lifetime’s experience as a historian, anthropologist and teacher, ranges through history and across the world’s cultures. Her questions are timeless. His answers add up to a classic.

150 Deep, Beautiful, and Elegant Theories of How the World Works

Know it All, From How the Sun Shines to How the Pyramids Were Built

Current Issues in International Relations

From Natural Philosophy to the Enigma of Dark Matter

Seeing Like a State

The World

How The World Works is a distillation of a father’s triumphs, tragedies, successes, failures, painful lessons, life experiences and inherited, multi-generational wisdom. I need you to teach me how the world works. That simple request from a daughter to her father initiated this collection of aphorisms, opinions, observations and thoughts. Often described as a father in a book, this guidebook for life includes aphorisms on life principles, relationships, children, tribes, humans, cultures, governments, God, faith and religion, work, business and entrepreneurship.

Traces the origins and development of arithmetic, statistics, geometry, and calculus from the ancient civilizations to the present.

Jude Wanniski’s masterpiece The Way the World Works defined the economic policies of the 1980s responsible for a booming stock market, the creation of thirty million new jobs, untold wealth, and unparalleled prosperity.

#1 New York Times Bestseller. “Significant...The book is both instructive and surprisingly moving.” —The New York Times Ray Dalio, one of the world’s most successful investors and entrepreneurs, shares the unconventional principles that he’s developed, refined, and used over the past forty years to create unique results in both life and business—and which any person or organization can adopt to help achieve their goals. In 1975, Ray Dalio founded an investment firm, Bridgewater Associates, out of his two-bedroom apartment in New York City. Forty years later

Bridgewater has made more money for its clients than any other hedge fund in history and grown into the fifth most important private company in the United States, according to Fortune magazine. Dalio himself has been named to Time magazine's list of the 100 most influential people in the world. Along the way, Dalio discovered a set of unique principles that have led to Bridgewater's exceptionally effective culture, which he describes as "an idea meritocracy that strives to achieve meaningful work and meaningful relationships through radical transparency, these principles, and not anything special about Dalio—who grew up an ordinary kid in a middle-class Long Island neighborhood—that he believes are the reason behind his success. In Principles, Dalio shares what he's learned over the course of his remarkable career. He argues that life, management, economics, and investing can all be systemized into rules and understood like machines. The book's hundreds of practical lessons, which are built around his cornerstones of "radical truth" and "radical transparency," include Dalio laying out the most effective ways individuals and organizations to make decisions, approach challenges, and build strong teams. He also describes the innovative tools the firm uses to bring an idea meritocracy to life, such as creating "baseball cards" for all employees that distill their strengths and weaknesses, and employing computerized decision-making systems to make believability-weighted decisions. While the book brims with novel ideas for organizations and institutions, Principles also offers a clear, straightforward approach to decision-making that Dalio believes anyone can apply, no matter what they're seeking to achieve. Here, from a man who has been called both "the Steve Jobs of investing" and "the philosopher king of the financial universe" (CIO magazine), is a rare opportunity to gain proven advice unlike anything you'll find in the conventional business press.

Letters To Lily

The Common Good

An Illustrated Guide to the Wonders of Our Planet

How the World Works: Sticker Activity Book

How the World Works: The Periodic Table

How the Earth Works

*Mathematics has come a long way throughout its history. Readers are offered a peek into a world that is too often unseen; that being the painstaking development of mathematical principals that serve as the blueprint of our universe. Readers will learn about how mathematics plays an integral role in our understanding of concepts as vast as black holes to those as ordinary today as the common GPS device.*

Physics

Ask a Science Teacher

Readings on how the World Works