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Greatest Discoveries with Bill Nye Astronomy - 2005 Science 1, grades 6-12, Bill Nye covers Einstein's theory of general relativity, demonstrates how Hubble determined that the universe is expanding, and discusses the 20th-century advancements that help us understand gamma ray bursts, black holes, pulsars, and quasars. Highlights include Edmond Halley, whose discovery of comets orbiting the sun proved that gravity works in space, and Alexander and Caroline Herschel, whose map of the sky brought new understanding of the universe.

The 100 Best Astrophotography Targets - Ruben Kier 2009-08-15 Any amateur astronomer who is interested in astrophotography, particularly if just getting started, needs to know what objects are best for imaging in each month of the year. These are not necessarily the same objects that are the most spectacular or intriguing visually. The camera reveals different things and has different requirements. What objects in the sky tonight are large enough, bright enough, and high enough to be photographed? This book reveals, for each month of the year, the choicest celestial treasures within the reach of a commercial CCD camera. Helpful hints and advice on framing, exposures, and filters are included. Each deep sky object is explained in beautiful detail, so that observers will gain a richer understanding of these astronomical objects. This is not a book that dwells on the technology of CCD, Webcam, wet, or other types of astrophotography. Neither is it a book about in-depth computer processing of the images (although this topic is included). Detailed discussions of these topics can be found in other publications. This book focuses on what northern latitude objects to image at any given time of the year to get the most spectacular results.

Bill Nye's Great Big World of Science - Bill Nye 2020-10-27 The must-have, everything-you-need-to-know science book from every kid’s favorite science educator, Bill Nye Science educator, TV host, and New York Times-bestselling author Bill Nye is on a mission to help kids understand and appreciate the science that makes our world work. Featuring a range of subjects—physics, chemistry, geology, biology, astronomy, global warming—and more—this profoundly illustrated book covers the basic principles of each science, key discoveries, recent revolutionary advances, and the problems that science still needs to solve for our Earth. Nye and coauthor Gregory Mone present the most difficult theories and facts in an easy-to-comprehend, humorous way. They interviewed numerous specialists from around the world, in each of the fields discussed, whose insights are included throughout. Also included are experiments kids can do themselves to bring science to life! Features photographs, illustrations, diagrams, glossary, bibliography, and index.

Undeniable - Bill Nye 2014-11-04 Revealing the mechanics of evolutionary theory, the scientist, engineer and inventor presents a compelling argument for the scientific unviability of creationism and insists that creationism's place in the science classroom is harmful not only to our children, but to the future of the greater world as well.

Chemical Heritage - 2007

Unstopabble - Bill Nye 2015-11-10 Just as World War II called an earlier generation to greatness, so the climate crisis is calling today's rising youth to action: to create a better future. In UNSTOPPABLE, Bill Nye crystallizes and expands the message for which he is best known and beloved. That message is that with a combination of optimism and scientific curiosity, all obstacles become opportunities, and the possibilities of our world become limitless. With a scientist's thirst for knowledge and an engineer's vision of what can be, Bill Nye sees today's environmental issues not as insurmountable, depressing problems but as chances for our society to rise to the challenge and create a cleaner, healthier, smarter world. We need not accept that transportation consumes half our energy, and that two-thirds of the energy you put into your car is immediately thrown away out the tailpipe. We need not accept that dangerous emissions are the price we must pay for a vibrant economy and a comfortable life. Above all, we need not accept that we will leave our children a planet that is dirty, overheated, and depleted of resources. As Bill shares his vision, he debunks some of the most persistent myths and misunderstandings about global warming. When you are done reading, you'll be enlightened and empowered. Chances are, you'll be smiling, too, ready to join Bill and change the world. In Unstopabble: Harnessing Science to Change the World, the New York Times bestselling author of Undeniable: Evolution and the Science of Creation and former host of "Bill Nye the Science Guy" issues a new challenge to today's generation: to make a cleaner, more efficient, and happier world. Praise for UNDENIABLE: "With his charming, breezy, narrative style, Bill empowers the reader to see the natural world as it is, not as some would wish it to be. He does it right. And, as I expected, he does it best." -Neil deGrasse Tyson, Ph.D, host of COSMOS "Bill Nye, 'the Science Guy,' has made a veritable cultural icon...[T]he title of his new book on evolution...[is] 'Undeniable,' because, yes, there are many Americans who still deny what Darwin and other scientists long ago proved. "-Frank Bruni, The New York Times"With a jaunty how tie and boyish enthusiasm, Bill Nye the Science Guy has spent decades decoding scientific topics, from germs to volcanoes, for television audiences...In his new book, Nye delights in how [evolution] helps to unlock the mysteries of everything from bumblebees to human origins to our place in the universe." - National Geographic "When it comes to Bill Nye, 'Science Guy' doesn't even begin to cover it. When he's not being summoned to act as a voice of reason for news outlets or leading meetings as CEO of the Planetary Society, he is living the life of a best-selling author...His recently published book, 'Undeniable: Evolution and the Science of Creation,' enlightens readers while using a conversational, educational tone. After all, it's his ability to break down even the most complicated topics into bite-size pieces that made him such a hit on his '90s children's show 'Bill Nye, the Science Guy'." -The Boston Globe "Mr. Nye writes briskly and accessibly...[and] makes an eloquent case for evolution."-The Wall Street Journal "Because [Bill Nye is] a scientist, he has no doubts that the 'deniers' of evolution are flat wrong. And because he's a performer, his book is fun to read and easy to absorb. " - The Washington Post "Ignite your inner scientist when Nye, known for delivering geeky intel with clarity and charm, takes on one of society's most hotly debated topics (yes, still)." - Time Out New York

School Library Journal - 2005

The Discovery of Oxygen - Joseph Priestley 1906

The Mechanism of Mendelian Heredity - Thomas Hunt Morgan 1922

Everything All at Once - Bill Nye 2018-11-20 In the New York Times bestseller Everything All at Once, Bill Nye shows you how thinking like a nerd is the key to changing yourself and the world around you. Everyone has an inner nerd just waiting to be awakened by the right passion. In Everything All at Once, Bill Nye will help you find yours. With his call to arms, he wants you to examine every detail of the most difficult problems that look unsolvable—that is, until you find the solution. Bill shows you how to develop critical thinking skills and create change, using his “everything all at once” approach that leaves no stone unturned. Whether addressing climate change, the future of our society as a whole, or personal success, or stripping away the mystery of fire walking, there are certain strategies that get results: looking at the world with relentless curiosity, being driven by a desire for a better future, and being willing to take the actions needed to make change happen. He shares how he came to create this approach—
starting with his Boy Scout training (it turns out that a practical understanding of science and engineering is immensely helpful in a capzizing canoe) and moving through the lessons he learned as a full-time engineer at Boeing, a stand-up comedian, CEO of The Planetary Society, and, of course, as Bill Nye The Science Guy. This is the story of how Bill Nye became Bill Nye and how he became a champion of change and an advocate of science. It’s how he became The Science Guy. Bill teaches us that we have the power to make real change. Join him in... dare we say it... changing the world.

The Science Teacher- 2006

The Planets-Nirmala Nataraj 2017-11-07 This magnificent volume offers a rich visual tour of the planets in our solar system. More than 200 breathtaking photographs from the archives of NASA are paired with extended captions detailing the science behind some of our cosmic neighborhood’s most extraordinary phenomena. Images of newly discovered areas of Jupiter, fiery volcanoes on Venus, and many more reveal the astronomical marvels of space in engaging detail. Anyone with an interest in science, astronomy, and the mysteries of the universe will delight in this awe-inspiring guide to the wonders of the solar system.

Earth and Space-Nirmala Nataraj 2015-10-13 Take a tour of the universe with this breathtaking collection of photographs from the archives of NASA. Astonishing images of Earth from above, the phenomena of our solar system, and the celestial bodies of deep space will captivate readers and photography lovers with an interest in science, astronomy, and the great beyond. Each extraordinary photograph from the legendary space agency is paired with explanatory text that contextualizes its place in the cosmic ballet of planets, stars, dust, and matter—from Earth’s limb to solar flares, the Jellyfish Nebula to Pandora’s Cluster. Featuring a preface by Bill Nye, this engaging ebook offers up-close views of our remarkable cosmos, and sparks wonder at the marvels of Earth and space.

My First Book About Physics-Patricia J. Wynne 2019-01-16 Physics is fun! It’s all about pushing and pulling, running and jumping, rainbows and rockets — it’s even about sports! Physics involves the sun and the moon and all the things around you, including how you use energy and how animals and plants do, too. This is the book you’ll want to use to discover fascinating facts about gravity, light, heat, sound, and other wonders such as thunder and lightning and volcanoes. Find out how things move, how you see and hear, what electricity is, and what’s inside an atom. These 46 detailed, full-page illustrations with easy-to-understand captions will introduce you to the most basic concepts of physics, using memorable examples drawn from nature.

Focus On: 100 Most Popular American Agnostics-Wikipedia contributors

Science and Math for Technology-Thomas R. Barrowman 2004

Corporate History and the Chemical Industries-Jeffrey Louis Sturchio 1985 Three essays—on the historiography of the chemical process industries, on business archives, and on oral history in the corporate setting—provide the context for extensive annotated bibliographies in the three areas

ESA Newsletter-2003

The 100 Greatest Metal Guitarists-Joel McIver 2008-12-15 The 100 Greatest Metal Guitarists is a controversial and much-needed guide to the world of metal guitar, featuring the most accomplished performers from the vast legions of metal. As well as celebrating the classic metal musicians who have defined the scene since the 1970s, author Joel McIver delves deep into the modern thrash metal, death metal, black metal, doom metal, power metal and battle metal movements to unearth those players for whom no tremolo divebomb is too high and no tuning is too low. This book is no mere list for geeks, though. McIver’s objective in writing this book is to recognize the incredible skills that these players possess. Moreover, although they’re all masters of sweep picking, fretboard tapping and the other tricks of the modern shredder, these players are far from simple speed freaks: The 100 Greatest... makes a point of featuring players whose feel and instinct for the values of metal outweigh mere technical mastery. If you’ve ever wielded a tennis rack in anger in front of a bedroom mirror, or even if you’re a metal musician yourself, you need this book: the world of the overdriven guitar will never look the same again.

Encyclopedia of Science and Technology Communication-Susanna Hornig Priest 2010-07-14 The explosion of scientific information is exacerbating the information gap between richer/poorer, educated/less-educated publics. The proliferation of media technology and the popularity of the Internet help some keep up with these developments but also make it more likely others fall further behind. This is taking place in a globalizing economy and society that further complicates the division between information havens and have-nots and compounds the challenge of communicating about emerging science and technology to increasingly diverse audiences. Journalism about science and technology must fill this gap, yet journalists and journalism students themselves struggle to keep abreast of contemporary scientific developments. Scientist - aided by public relations and public information professionals - must get their stories out, not only to other scientists but also to broader public audiences. Funding agencies increasingly expect their grantees to engage in outreach and education, and such activity can be seen as both a survival strategy and an ethical imperative for taxpayer-supported, university-based research. Science communication, often in new forms, must expand to meet all these needs. Providing a comprehensive introduction to students, professionals and scholars in this area is a unique challenge because practitioners in these fields must grasp both the principles of science and the principles of science communication while understanding the social contexts of each. For this reason, science journalism and science communication are often addressed only in advanced undergraduate or graduate specialty courses rather than covered exhaustively in lower-division courses. Even so, those entering the field rarely will have a comprehensive background in both science and communication studies. This circumstance underscores the importance of compiling useful reference materials. The Encyclopedia of Science and Technology Communication presents resources and strategies for science communicators, including theoretical material and background on recent controversies and key institutional actors and sources. Science communicators need to understand more than how to interpret scientific facts and conclusions; they need to understand basic elements of the politics, sociology, and philosophy of science, as well as relevant media and communication theory, principles of risk communication, new trends, and how to evaluate the effectiveness of science communication programmes, to mention just a few of the major challenges. This work will help to develop and enhance such understanding as it addresses these challenges and more. Topics covered include: advocacy, policy, and research organizations environmental and health communication philosophy of science media theory and science communication informal science education science journalism as a profession risk communication theory public understanding of science pseudo-science in the news special problems in reporting science and technology communication ethics.

Extraterrestrial-Avi Loeb 2021 Harvard's top astronomer lays out his controversial theory that our solar system was recently visited by advanced alien technology from a distant star

The Planets-Professor Brian Cox 2019-05-23 The bestselling authors of Wonders of the Universe are back with another blockbuster, a groundbreaking exploration of our Solar System as it has never been seen before. A companion book to the highly anticipated BBC series.

Unbelievable-Michael Newton Keas 2019-01-08 Unbelievable explodes seven of the most popular and pernicious myths about science and religion. Michael Newton Keas, a historian of science, lays out the facts to show how far the conventional wisdom departs from reality. He also shows how these myths have proliferated over the past four centuries and exert so much influence today, infiltrating science textbooks and popular culture. The seven myths, Keas shows, amount to little more than religion bashing—especially Christianity bashing. Unbelievable reveals: · Why the "Dark Ages" never happened · Why we didn’t need Christopher Columbus to prove the earth was round · Why Copernicus would be shocked to learn that he supposedly demoted humans from the center of the universe · What everyone gets wrong about Galileo’s clash with the Church, and why it matters today · Why the vastness of the universe does not deal a blow to religious belief in human significance · How a new myth is executed for theological reasons, not scientific ones · What a new myth is being positioned to replace religion—a futuristic myth that sounds scientific but isn’t! · In debunking these myths, Keas shows that the real history is much more interesting than the common narrative of religion at war with science. This accessible and entertaining book offers an invaluable resource to
students, scholars, teachers, homeschoolers, and religious believers tired of being portrayed as anti-intellectual and anti-science.

**Comic History of the United States**-Bill Nye

The Magic of Math-Arthur Benjamin 2015-09-08 The world's greatest mental mathematical magician takes us on a spellbinding journey through the wonders of numbers (and more) "Arthur Benjamin . . . joyfully shows you how to make nature's numbers dance." -- Bill Nye (the science guy) The Magic of Math is the math book you wish you had in school. Using a delightful assortment of examples-from ice-cream scoops and poker hands to measuring mountains and making magic squares-this book reveals in key mathematical fields including arithmetic, algebra, geometry, and calculus, plus Fibonacci numbers, infinity, and, of course, mathematical magic tricks. Known throughout the world as the "mathemagician," Arthur Benjamin mixes mathematics and magic to make the subject fun, attractive, and easy to understand for math fan and math-phobic alike. "A positively joyful exploration of mathematics." -- Publishers Weekly, starred review "Each [trick] is more dazzling than the last." -- Physics World

**The Cosmic Machine**-Scott Bembenek 2017-08 Energy, Entropy, Atoms, and Quantum Mechanics form the very foundation of our universe. But how do they govern the world we live in? What was the difficult path to their discovery? Who were the key players that shaped our current understanding? "The Cosmic Machine" takes you from the earliest scientific inquiries in human history on an exciting journey in search of the answers to these questions. In telling this fascinating story of science, the author Scott Bembenek masterfully guides you through the wondrous of how scientific discoveries (and the key players of those discoveries) shaped the world as we know it today. With its unique blend of science, history, and biographies, "The Cosmic Machine" provides an easily accessible account without sacrificing the actual science itself. Not only will this book engage, enlighten, and entertain you, it will inspire your passion and curiosity for the world around us.

**Gas Injection for Disposal and Enhanced Recovery**-Ying Wu 2014-09-02 This is the fourth volume in a series of books focusing on natural gas engineering, focusing on two of the most important issues facing the industry today: disposal and enhanced recovery of natural gas. This volume includes information for both upstream and downstream operations, including chapters on shale, geological issues, chemical and thermodynamic models, and much more. Written by some of the most well-known and respected chemical and process engineers working with natural gas today, the chapters in this important volume represent the most cutting-edge and state-of-the-art processes and operations being used in the field. Not available anywhere else, this volume is a must-have for any chemical engineer, chemist, or process engineer working with natural gas. There are updates of new technologies in other related areas of natural gas, in addition to disposal and enhanced recovery, including sour gas, acid gas injection, and natural gas hydrate formations. Advances in Natural Gas Engineering is an ongoing series of books meant to form the basis for the working library of any engineer working in natural gas today. Every volume is a must-have for any engineer or library.

**Great Discoveries in Medicine**-William F. Bynum 2011 Describes the evolution of medical knowledge from the earliest practices in ancient Egypt, India, and China to the latest technology and the genetic revolution.

**Teaching About Evolution and the Nature of Science**-National Academy of Sciences 1998-05-06 Today many school students are shielded from one of the most important concepts in modern science: evolution. In engaging and conversational style, Teaching About Evolution and the Nature of Science provides a well-structured framework for understanding and teaching evolution. Written for teachers, parents, and community officials as well as scientists and educators, this book describes how evolution reveals both the great diversity and similarity among the Earth’s organisms; it explores how scientists approach the question of evolution; and it illustrates the nature of science as a way of knowing about the natural world. In addition, the book provides answers to frequently asked questions to help readers understand many of the issues and misconceptions about evolution. The book includes sample activities for teaching about evolution and the nature of science. For example, the book includes activities that investigate fossil footprints and population growth that teachers of science can use to introduce principles of evolution. Background information, materials, and step-by-step presentations are provided for each activity. In addition, this volume: Presents the evidence for evolution, including how evolution can be observed today. Explains the nature of science through a variety of examples. Describes how science differs from other human endeavors and why evolution is one of the best avenues for helping students understand this distinction. Answers frequently asked questions about evolution. Teaching About Evolution and the Nature of Science builds on the 1996 National Science Education Standards released by the National Research Council--and offers detailed guidance on how to evaluate and choose instructional materials that support the standards. Comprehensive and practical, this book brings one of today’s educational challenges into focus in a balanced and reasoned discussion. It will be of special interest to teachers of science, school administrators, and interested members of the community.

**Oh, La La!**-Cicsoe Morris 2020-01-21 The most beloved and respected gardening expert of the Pacific Northwest, Cicsoe Morris, entertains us with gardening stories and shares advice, information, and wisdom from a career that has spanned 45 years and is still going strong. With heart and humor, Cicsoe Morris regales us with stories from the gardens he has tended, the wildlife he has encountered--deer, moles, rats, birds, and more--the dogs who have joined him on his travels, the secret lives of insects, and his endeavors as head gardener at Seattle University. Each story will make you smile but will also contain a nugget of gardening wisdom or a practical, helpful tip that home gardeners will be able to put to use in their own gardens.

**Introduction to Chemistry**-Tracy Poulsen 2013-07-18 Designed for students in Nebo School District, this text covers the Utah State Core Curriculum for chemistry with few additional topics.

**The Return of the God Hypothesis**-Stephen C. Meyer 2019-08-20 The New York Times bestselling author of Darwin’s Doubt and Intelligent Design scholar presents groundbreaking scientific evidence of the existence of God, based on breakthroughs in physics, cosmology, and biology. In 2004, Stephen C. Meyer, one of the preeminent scientists studying the origins of life, ignited a firestorm of media and scientific controversy when a biology journal at the Smithsonian Institution published his peer-reviewed article advancing the theory of Intelligent Design. Then, in his two bestselling books, Signature in the Cell and Darwin’s Doubt, he helped unravel a mystery that Charles Darwin did not address: how did life begin? And offered scientific proof to bolster his arguments on the history of life and our origins, concluding that life was designed. In those previous books, Meyer purposely refrained from attempting to answer questions about “who” might have designed life. Now, in The Return of the God Hypothesis, he brings his ideas full circle, providing a reasoned and evidence-based answer to the ultimate mystery of the universe, drawn from recent scientific discoveries in physics, cosmology, and biology. Meyer uses three scientific points to refute popular arguments put forward by the “New Atheists” against the existence of God: The evidence from cosmology showing that the material universe had a beginning. The evidence from physics showing that, from the beginning, the universe was “finely tuned” to allow for the possibility of life. The evidence from biology showing that since the universe came into being, large amounts of genetic information present in DNA must have arisen to make life possible. In analyzing the evidence from these three fields, Meyer reveals how the data support not just the existence of an intelligent designer of some kind—but the existence of a theistic creator.

**Picture-Book Professors**-Melissa Terras 2018-10-31 How is academia portrayed in children’s literature? This Element ambitiously surveys fictional professors in texts marketed towards children, who are overwhelmingly white and male, tending to be elderly scientists. Professors fall into three stereotypes: the vehicle to explain scientific facts, the baffled genius, and the evil madman. By the late twentieth century, the stereotype of the male, mad, muddlehead, called Professor SomethingDumb, is formed in humorous yet pejorative fashion. This Element provides a publishing history of the role of academics in children’s literature, questioning the book culture which promotes the enforcement of stereotypes regarding intellectual expertise in children’s media. This title is also available, with additional material, as Open Access.

**StarTalk**-Neil deGrasse Tyson 2019-02-19 This illustrated companion to the popular podcast and National Geographic Channel show is an eye-opening journey for anyone curious about our universe: astronomy and the complexities of the cosmos. For decades, beloved astrophysicist Neil deGrasse Tyson has interpreted science with a combination of brainpower and charm that resonates with fans everywhere. This pioneering, provocative book brings together the best of StarTalk, his beloved podcast and television show devoted to solving the most confounding mysteries of
Earth, space, and what it means to be human. Filled with brilliant sidebars, vivid photography, and unforgettable quotes from Tyson and his brilliant cohort of science communicators, StarTalk will help answer all of your most pressing questions about our world—from how the brain works to the physics of comic book superheroes. Fun, smart, and laugh-out-loud funny, this book is the perfect guide to everything you ever wanted to know about the universe—and beyond.

Bill Nye’s History of the United States—Bill Nye 1906 This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1894 Excerpt: ...woods in order to get food for their families. Troops had no blankets, and straw was not to be had. It was extremely sad; but there was no waverning. Officers were approached by the enemy with from one hundred to one thousand pounds if they would accept and use their influence to effect a reconciliation; but, with blazing eye and unfaltering attitude, each stated that he was not for sale, and returned to his frozen mud-hole to rest and dream of food and freedom. Those were the untitled nobility from whom we sprang. Let us look over our personal record and see if we are living lives that are worthy of such heroic sires. Five minutes will now be given the reader to make a careful examination of his personal record. In the spring the joyful news came across the sea that, through the efforts of Benjamin Franklin, France had acknowledged the independence of the United States, and a fleet was on the way to assist the struggling troops. The battle of Monmouth occurred June 28. Clinton succeeded Howe, and, alarmed by the news of the French fleet, the government ordered Clinton to concentrate his troops near New York, where there were better facilities for getting home. Washington followed the enemy across New Jersey, overtaking them at Monmouth. Lee was in command, and got his men tangled in a swamp where the mosquitoes were quite plenty. and, losing courage, ordered a retreat. Washington arrived at that moment, and bitterly upbraided Lee. He used the Flanders method of upbraiding, it is said, and Lee could not stand it. He started towards the enemy in preference to being there with Washington, who was still rebuking him. The light was renewed, and all day long they fought. When night came, Clinton took his troops with him and went away where they could be by themse...