Genius The Life And Science Of Richard Feynman James Gleick

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Heal Your Mind, Strengthen Your Body, and Become Extraordinary Disney Electronic Content

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

Benjamin Franklin, American Genius Simon and Schuster

This inspiring and inventive guide teaches readers how to develop their full potential by following the example of the greatest genius of all time, Leonardo da Vinci. Acclaimed author Michael J. Gelb, who has helped thousands of people expand their minds to accomplish more than they ever thought possible, shows you how. Drawing on Da Vinci's notebooks, inventions, and legendary works of art, Gelb introduces Seven Da Vincian Principles—the essential elements of genius—from curiosità, the insatiably curious approach to life to connessione, the appreciation for the interconnectedness of all things. With Da Vinci as your inspiration, you will discover an exhilarating new way of thinking. And step-by-step, through exercises and provocative lessons, you will harness the power—and awesome wonder—of your own genius, mastering such life-changing abilities as: • Problem solving • Creative thinking • Self-expression • Enjoying the world around you • Goal setting and life balance • Harmonizing body and mind Drawing on Da Vinci's notebooks, inventions, and legendary works of art, acclaimed author Michael J. Gelb, introduces seven Da Vincian principles, the essential elements of genius, from curiosita, the insatiably curious approach to life, to connessione, the appreciation for the interconnectedness of all things. With Da Vinci as their inspiration, readers will discover an exhilarating new way of thinking. Step-by-step, through exercises and provocative lessons, anyone can harness the power and awesome wonder of their own genius, mastering such life-changing skills as problem solving, creative thinking, self-expression, goal setting and life balance, and harmonizing body and mind.

Wizard Pan Macmillan

The life and work of a scientist who spent his career crossing disciplinary boundaries—from experimental neurology to psychiatry to cybernetics to engineering. Warren S. McCulloch (1898 – 1969) adopted many identities in his scientific life—among them philosopher, poet, neurologist, neurophysiologist, neuropsychiatrist, collaborator, theorist, cybernetician, mentor, engineer. He was, writes Tara Abraham in this account of McCulloch's life and work, “an intellectual showman,” and performed this part throughout his career. While McCulloch claimed a common thread in his work was the problem of mind and its relationship to the brain, there was much more to him than that. In Rebel Genius, Abraham uses McCulloch's life as a window on a past scientific age, showing the complex transformations that took place in American brain and mind science in the twentieth century—particularly those surrounding the cybernetics movement. Abraham describes McCulloch's early work in neuropsychiatry, and his emerging identity as a neurophysiologist. She explores his transformative years at the Illinois Neuropsychiatric Institute and his work with Walter Pitts—often seen as the first iteration of “artificial intelligence” but here described as stemming from the new tradition of mathematical treatments of biological problems. Abraham argues that McCulloch's dual identities as neuropsychiatrist and cybernetician are inseparable. He used the authority he gained in traditional disciplinary roles as a basis for posing big questions about the brain and mind as a cybernetician. When McCulloch moved to the Research Laboratory of Electronics at MIT, new practices for studying the brain, grounded in mathematics, philosophy, and theoretical modeling, expanded the relevance and ramifications of his work. McCulloch's transdisciplinary legacies anticipated today's multidisciplinary field of cognitive science.

The Seventeenth Century and the Birth of the Modern Mind Johns Hopkins University Press

Who, but the imaginative young, shall inherit the stars?

Marie Curie, Albert Einstein, and the Meeting that Changed the Course of Science HarperCollins

Following on the heels of Lisa Cron's breakout first book, Wired for Story, this writing guide reveals how to use cognitive storytelling strategies to build a scene-by-scene blueprint for a riveting story. It’s every novelist’s greatest fear: pouring their blood, sweat, and tears into writing hundreds of pages only to realize that their story has no sense of urgency, no internal logic, and so is a page one rewrite. The prevailing wisdom in the writing community is that there are just two ways around this problem: pantsing (winging it) and plotting (focusing on the external plot). Story coach Lisa Cron has spent her career discovering why these methods don’t work and coming up with a powerful alternative, based on the science behind what our brains are wired to crave in every story we read (and it’s not what you think). In Story Genius Cron takes you, step-by-step, through the creation of a novel from the first glimmer of an idea, to a complete multilayered blueprint—including fully realized scenes—that evolves into a first draft with the authority, richness, and command of a riveting sixth or seventh draft.

True Genius Penguin
Richard Feynman was the most brilliant and influential physicist of our time. Architect of quantum theories, enfant terrible of the atomic bomb project, caustic inquisitor on the space shuttle commission, ebulent bongo-player and storyteller - Feynman played a bewildering assortment of roles in the science of the post-war era. A brilliant interweaving of Richard Feynman's colourful life and a detailed and accessible account of his theories and experiments.
How to Use Brain Science to Go Beyond Outlining and Write a Riveting Novel (Before You Waste Three Years Writing 327 Pages That Go Nowhere) W. W. Norton & Company
Never has the term mad scientist been more fascinatingly explored than in internationally recognized popular science author Clifford Pickover's richly researched wild ride through the bizarre lives of eccentric geniuses. A few highlights: "The Pigeon Man from Manhattan" Legendary inventor Nikola Tesla had abnormally long thumbs, a peculiar love of pigeons, and a horror of women's pearls. "The Worm Man from Devonshire" Forefather of modern electric-circuit design Oliver Heaviside furnished his home with granite blocks and sometimes consumed only milk for days (as did Nikola Tesla and Thomas Edison). "The Rabbit-Eater from Lichfield" Renowned scholar Samuel Johnson had so many tics and quirks that some mistook him for an idiot. In fact, his behavior matches modern definitions of obsessive-compulsive disorder and Tourette's syndrome. Pickover also addresses many provocative topics: the link between genius and madness, the role the brain plays in alien abduction and religious experiences, UFOs, cryonics -- even the whereabouts of Einstein's brain!
The Adventure of Emery Jones, Boy Science Wonder ABDO
A prismatic look at the meeting of Marie Curie and Albert Einstein and the impact these two pillars of science had on the world of physics, which was in turmoil. In 1911, some of the greatest minds in science convened at the First Solvay Conference in Physics, a meeting like no other. Almost half of the attendees had won or would go on to win the Nobel Prize. Over the course of those few days, these minds began to realize that classical physics was about to give way to quantum theory, a seismic shift in our history and how we understand not just our world, but the universe. At the center of this meeting were Marie Curie and a young Albert Einstein. In the years preceding, Curie had faced the death of her husband and soul mate, Pierre. She was on the cusp of being awarded her second Nobel Prize, but scandal erupted all around her when the French press revealed that she was having an affair with a fellow scientist, Paul Langevin. The subject of vicious misogynist and xenophobic attacks in the French press, Curie found herself in a storm that threatened her scientific legacy. Albert Einstein proved an supporter in her travails. They had an instant connection at Solvay. He was young and already showing flourishes of his enormous genius. Curie had been responsible for one of the greatest discoveries in modern science (radioactivity) but still faced resistance and scorn. Einstein recognized this grave injustice, and their mutual admiration and respect, borne out of this, their first meeting, would go on to serve them in their paths forward to making history. Curie and Einstein come alive as the complex people they were in the pages of The Soul of Genius. Utilizing never before seen correspondance and notes, Jeffrey Orens reveals the human side of these brilliant scientists, one who pushed boundaries and demanded equality in a man’s world, no matter the cost, and the other, who was destined to become synonymous with genius.
The Man from the Future: The Visionary Life of John von Neumann Vintage
An electrifying biography of one of the most extraordinary scientists of the twentieth century and the world he made. The smartphones in our pockets and computers like brains. The vagaries of game theory and evolutionary biology. Nuclear weapons and self-replicating spacecrafts. All bear the fingerprints of one remarkable, yet largely overlooked, man: John von Neumann. Born in Budapest at the turn of the century, von Neumann is one of the most influential scientists to have ever lived. A child prodigy, he mastered calculus by the age of eight, and in high school made lasting contributions to mathematics. In Germany, where he helped lay the foundations of quantum mechanics, and later at Princeton, von Neumann’s colleagues believed he had the fastest brain on the planet—bar none. He was instrumental in the Manhattan Project and the design of the atom bomb; he helped formulate the bedrock of Cold War geopolitics and modern economic theory; he created the first ever programmable digital computer; he prophesized the potential of nanotechnology; and, from his deathbed, he expounded on the limits of brains and computers—and how they might be overcome. Taking us on an astonishing journey, Ananyo Bhattacharya explores how a combination of genius and unique historical circumstance allowed a single man to sweep through a stunningly diverse array of fields, sparking revolutions wherever he went. The Man from the Future is an insightful and thrilling intellectual biography of the visionary thinker who shaped our century.
A Mixture of Genius Harper Collins
Leonardo da Vinci's scientific explorations were virtually unknown during his lifetime, despite their extraordinarily wide range. He studied the flight patterns of birds to create some of the first human flying machines; designed military weapons and defenses; studied optics, hydraulics, and the workings of the human circulatory system; and created designs for rebuilding Milan, employing principles still used by city planners today. Perhaps most importantly, Leonardo pioneered an empirical, systematic approach to the observation of nature-what is known today as the scientific method.Drawing on over 6,000 pages of Leonardo's surviving notebooks, acclaimed scientist and bestselling author Fritjof Capra reveals Leonardo's artistic approach to scientific knowledge and his organic and ecological worldview. In this fascinating portrait of a thinker centuries ahead of his time, Leonardo singularly emerges as the unacknowledged “father of modern science.” From the Trade Paperback edition.
Genius Mathematician and Physicist GeniusThe Life and Science of Richard Feynman
The author of the New York Times bestselling Genius Foods is back with a lifestyle program for resetting your brain and body to its “factory settings,” to help fight fatigue, anxiety, and depression and to optimize cognitive health for a longer and healthier life. The human body was honed under conditions that no longer exist. The modern world has changed dramatically since our days as hunter gatherers, and it has caused widespread anxiety, stress, and disease, leaving our brains in despair. But science proves that the body and brain can be healed with the intervention of lifestyle protocols that help us to regain our cognitive birthright. In The Genius Life, Lugavere expands the Genius Foods plan, which focused on nutrition and how it affects brain health, and expands it to encompass a full lifestyle protocol. We know now that the health of our brains—including our cognitive function and emotional wellness—depend on the health of our gut, endocrine, cardiac and nervous systems as there is a constant feedback loop between all systems. Drawing on globe-spanning research into circadian biology, psychology, dementia prevention, cognitive optimization, and exercise physiology, The Genius Life shows how to integrate healthy choices in all aspects of our daily routines: eating, exercising, sleeping, detoxing, and more to create a healthy foundation for optimal cognitive health and performance. Among Max’s groundbreaking findings, you will discover: · A trick that gives you the equivalent of a “marathon” workout, in 10 minutes · How to get the benefits of an extra 1-2 servings of veggies daily without eating them · The hidden chemicals in your home that could be making you fat and sick · How to boost melatonin levels by up to 58% for deeper sleep without supplements The book features an achievable prescriptive 21-day plan for Genius Living that includes daily workouts, meal plans, and meal prep tips, and accompanied with helpful suggestions for healthy swaps and snacks
The Science of Leonardo Penguin

Albert Einstein: Life of a Genius When it comes to scientists that have made their mark in the world, then none are perhaps more famous than Albert Einstein. Students around the world are taught about his theories and equations with E=mc2 undoubtedly being the most famous. However, there was more to this man than simply being a genius or the original prototype of the mad professor. Instead, this was a man that was dedicated to not only his profession, but also the concept of pacifism, something that most people are unaware of. Albert Einstein went from a late developing child to running away from school to almost failing university and instead turned himself into one of the greatest minds that the world has ever seen. This is his story, a story of how a child taught himself calculus and geometry and was then not afraid to challenge concepts of how the world worked that had been unchanged for centuries. This was a man who stood up for what he believed in even when the world appeared to be against him. The story of Albert Einstein is about more than just mathematical equations. The story is about a man who beat the odds and became world famous in the unlikely world of physics and the universe.

Warren S. McCulloch's Transdisciplinary Life in Science Chicago Review Press

Yo-Yo Ma’s ear for music emerged not long after he learned to walk. By the age of seven, he was performing for President Kennedy; by fifteen he debuted at Carnegie Hall. Maya Angelou, by contrast, didn't write her iconic memoir, I Know Why the Cage Bird Sings, until she was 40. What propels some individuals to reach extraordinary creative heights in the earliest years of life while others discover their passions decades later? Are prodigies imbued with innate talent? How often are midlife inspirations triggered by propitious events, like Julia Child's first French meal at the age of 36? Do late bloomers reveal their talents because their skills require life experience and contemplation? Through engaging storytelling and intriguing historical and cutting-edge scientific research, best-selling author and acclaimed journalist Claudia Kalb explores these questions to uncover what makes a prodigy and what drives a late bloomer. In this series of linked biographies, Kalb follows the journeys of thirteen remarkable individuals--from Shirley Temple to Alexander Fleming to Eleanor Roosevelt to Bill Gates--to discover the secrets behind their talents. Each possessed a unique arc of inspiration. Each--through science, art, music, theater, and politics--reached extraordinary success at different stages of life. And each offers us a chance to explore the genesis--and experience--of genius.

Inside the Mind of the Great Genius of the Renaissance Anchor

Regarded as the most influential scientist of all time, Isaac Newton made amazing strides in both physics and mathematics. From formulating the laws of motion and universal gravitation to building the first reflecting telescope, Newton was the scientific revolutionist of his time. This title includes primary sources, sidebars, prompts and activities, charts and graphs, and much more. Aligned to Common Core Standards and correlated to state standards. Core Library is an imprint of Abdo Publishing Company.

Before the World Was Ready Booktrope

Original material and recently acquired documents form the foundation of a biography of the man who served as an inspiration for modern electrical inventions

Rebel Genius Joseph Henry Press

Meaningful or meaningless? Purposeful or pointless? When we look at nature, whether at our living earth or into deepest space, what do we find? In stark contrast to contemporary claims that the world is meaningless, Benjamin Wiker and Jonathan Witt reveal a cosmos charged with both meaning and purpose. Their journey begins with Shakespeare and ranges through Euclid's geometry, the fine-tuning of the laws of physics, the periodic table of the elements, the artistry of ordinary substances like carbon and water, the intricacy of biological organisms, and the irreducible drama of scientific exploration itself. Along the way, Wiker and Witt fashion a robust argument from evidence in nature, one that rests neither on religious presuppositions nor on a simplistic view of nature as the best of all possible worlds. In their exploration of the cosmos, Wiker and Witt find all the challenges and surprises, all of the mystery and elegance one expects from a work of genius.

A Scientific Romance Princeton University Press

GeniusThe Life and Science of Richard FeynmanOpen Road Media

Strange Brains and Genius Harper Collins

Isaac Newton is now universally celebrated as a genius of science, renowned for his innovatory work on gravity and optics. Yet Newton did not always enjoy such legendary status. His posthumous reputation has constantly changed and is riddled with contradictions. NEWTON investigates the different ways in which Newton's life and works have been interpreted at different times. It charts his transformation into a scientific genius, explaining the changing attitude of the scientific community towards Newton's ideas, from Berkeley to Einstein. It also explores the making of Newton the national hero, through the myths that surround him and the many artistic and literary descriptions of him. NEWTON tells the fascinating story of Newton's reputation, shedding light on the growth of science generally and on our changing attitude towards our intellectual heritage. 'Fara's brilliant book is not so much a biography as the story of a phenomenon . . . fascinating' Scotsman 'Fara does not debunk Newton as recent novelists have but delivers him more whole and greater than ever' Sunday Herald

Newton Annick Press

Features information on eight different scientists and the struggles they had in convincing the world that their revolutionary ideas were correct, including such figures as Nikola Tesla, Charles Darwin, and Ignaz Semmelweis.

The Life and Science of John Bardeen: The Only Winner of Two Nobel Prizes in Physics MIT Press

"The first biography of Richard Garwin, a physicist whose work has had wide-ranging impacts on modern life from well-known technical innovations to progress in nuclear disarmament"--