

The Manga Guide To Physics

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Surviving the Dust Bowl No Starch Press
Survive! Inside the Human Body, Vol. 3 concludes our incredible tour of the human body with a wild ride through the nervous system. When Geo and Dr. Brain find themselves inside Phoebe ’ s brain, they must brave shocking electrical signals and navigate a maze of neurons and synapses. Will the dynamic duo finally escape? And what ’ s the matter with Phoebe, anyway? As you follow this up-close exploration of Phoebe ’ s brain, you ’ ll learn how the brain and nervous system work. Have you ever wondered... – How your body protects your brain? – Why your leg "falls asleep" when you sit in one position for too long? – How CT scans, MRIs, EEGs, and PET scans work? – Why humans have such big cerebrums compared to other animals? – What your spinal cord and brain stem do? – What kinds of new techniques doctors invent to diagnose and treat their patients? For ages 8+ Translated by Army Chung

Mechanical Worlds of Nature and People W. W. Norton & Company
Rereko is just your average high-school girl from Electopia, the land of electricity, but she's totally failed her final electricity exam! Now she has to go to summer school on Earth. And this time, she has to pass. Luckily, her ever-patient tutor Hikaru is there to help. Join them in the pages of The Manga Guide to Electricity as Rereko examines everyday electrical devices like flashlights, heaters, and circuit breakers, and learns the meaning of abstract concepts like voltage, potential, current, resistance, conductivity, and electrostatic force. The real-world examples that you'll find in The Manga Guide to Electricity will teach you: –What electricity is, how it works, how it's created, and how it can be used –The relationship between voltage, current, and resistance (Ohm's law) –Key electrical concepts like inductance and capacitance –How complicated components like transformers, semiconductors, diodes, and transistors work –How electricity produces heat and the relationship between current and magnetic fields If thinking about how electricity works really fries your brain, let The Manga Guide to Electricity teach you all things electrical in a shockingly fun way. Hidden Wonders No Starch Press

For readers of Sean Carroll, Brian Greene, Katie Mack, and anyone who wants to know what theoretical physicists actually do. This Way to the Universe is a celebration of the astounding, ongoing scientific investigations that have revealed the nature of reality at its smallest, at its largest, and at the scale of our daily lives. The enigmas that Professor Michael Dine discusses are like landmarks on a fantastic journey to the edge of the universe. Asked where to find out about the Big Bang, Dark Matter, the Higgs boson particle—the long cutting edge of physics right now—Dine had no single book he could recommend. This is his accessible, authoritative, and up-to-date answer. Comprehensible to anyone with a high-school level education, with almost no equations, there is no better author to take you on this amazing odyssey. Dine is widely recognized as having made profound contributions to our understanding of matter, time, the Big Bang, and even what might have come before it. This Way to the Universe touches on many emotional, critical points in his extraordinary career while presenting mind-bending physics like his answer to the Dark Matter and Dark Energy mysteries as well as the ideas that explain why our universe consists of something rather than nothing. People assume String Theory can never be tested, but Dine intrepidly explores exactly how the theory might be tested experimentally, as well as the pitfalls of falling in love with math. This book reflects a lifetime pursuing the deepest mysteries of reality, by one of the most humble and warmly engaging voices you will ever read.

Female Force: Ayn Rand Houghton Mifflin Harcourt
Medical facts explained to children in the form of a fictional comic strip story. Peer reviewed.
Medikidz Explain Having an Operation Rourke Educational Media
The Manga Guide to PhysicsNo Starch Press
The Physics Book No Starch Press

Four young Wizards are sent on a dangerous quest against a powerful enemy. Some day they may be legends. Right now, they're in way over their heads... The Wizards of Midgard channel the Eight Elements to perform astounding (and often destructive) feats of Magick. They are sworn to use their powers for good, never for evil - and only occasionally for the sheer fun of blowing things up. There have long been rumors of a mythical Ninth Element that grants ultimate power to the Wizard who masters it. The Order of Magick says there is no such thing. But when a mysterious Purple Wizard steals an ancient artifact that just may be a key to unlocking the (alleged) Ninth Element, the Order wants it back at any cost ... just in case. Naturally, they send four inexperienced student Wizards to do the job. To save the world, Davlo, Fafnir, Grimmir and Tuonetar must test their spells against deadly traps, barbaric foes, hordes of monsters, a fearsome giant and the awesome might of the Purple Wizard. But their most dangerous enemy may be one of their own... (Or not. Just saying it could be. No guarantees. You'll just have to read the book, won't you?)

A Theoretical Physicist's Journey to the Edge of Reality Seven Seas Entertainment
Student nurse Kumiko has just flunked her physiology exam and has one last shot at passing her makeup test. Lucky for her, newbie health science professor Kaisei needs a guinea pig for his physiology lectures. Join Kumiko in The Manga Guide to Physiology as she examines the inner workings of the body while training hard for the campus marathon. You ’ ll learn all about: – How the digestive system and the Citric Acid Cycle break food down into nutrients and energy – How the body regulates temperature and vital fluids – The body ’ s powerful cell defense system, led by helper T cells and enforced by macrophages – The architecture of the central nervous system – The kidneys ’ many talents: blood filtration, homeostasis, and energy production You ’ ll also gain insight into medical procedures like electrocardiograms, blood pressure tests, spiograms, and more. Whether you ’ re cramming for a test like Kumiko or just want a refresher, The Manga Guide to Physiology is your fun, cartoon guide to the human body.

Existential Physics Harper Collins
WHO ’ S YOUR NANNY? Kirishima Tooru is the right-hand man of the Sakuragi crime family. For him, the job is a perfect excuse to let his violent instincts run wild, earning him the nickname “ the Demon of Sakuragi ” . It seems like nothing will stand in the way of his vicious nature. But then one day, he receives an assignment like never before from the boss—babysitting his daughter! This is the heartwarming (or is it bloodcurdling?) story of a little girl and her yakuza caretaker!

The Manga Guide to Statistics No Starch Press
If you have ever suspected that "heavy water" is the title of a bootleg Pink Floyd album, believed that surface tension is an anxiety disorder, or imagined that a noble gas is the result of a heavy meal at Buckingham Palace, then you need The Cartoon Guide to Chemistry to set you on the road to chemical literacy. You don't need to be a scientist to grasp these and many other complex ideas, because The Cartoon Guide to Chemistry explains them all: the history and basics of chemistry, atomic theory, combustion, solubility, reaction stoichiometry, the mole, entropy, and much more—all explained in simple, clear, and yes, funny illustrations. Chemistry will never be the same!

The Manga Guide to Physiology Harper Collins
The hidden elegance in everyday objects and physical mechanisms, from crumpled paper to sandcastles. Hidden Wonders focuses on the objects that populate our everyday life--crumpled paper, woven fabric, a sand pile--but looks at them with a physicist's eye, revealing a hidden elegance in mundane physical mechanisms. In six chapters--Builders, Creating Shapes, Building with Threads, From Sand to Glass, Matter in Motion, and Fractures--the authors present brief stories, set in locales ranging from the Eiffel Tower to a sandcastle, that illustrate the little wonders hidden in the ordinary. A simple experiment that readers can perform at home concludes each story. More than 200 illustrations bring the stories to life.

Manga: The Complete Guide No Starch Press
Whether you are stumped by the "commutative law" in algebra or a whiz at multiplying three-digit numbers in your head, this book opens the door to the wonders of mathematical imagining. By using simple language and intriguing illustrations drawn by her husband, Hugh, Lillian Lieber presents subtle mathematical concepts in an easy-to-understand way. Over sixty years after its release, this whimsical exploration of how to think in a mathematical mood will continue to delight math-lovers of all ages. Barry Mazur's new introduction is a tribute to the Liebers' influence on generations of mathematicians.

The Manga Guide to Databases Del Rey
"" Just when an unemployed thirty-four-year-old otaku reaches a dead end in life and decides that it's time to turn over a new leaf—he gets run over by a truck and dies! Shockingly, he finds himself reborn into an infant's body in a strange, new world of swords and magic. His new identity is Rudeus Grayrat, but he still retains the memories of his previous life. Follow Rudeus from infancy to adulthood, as he struggles to redeem himself in a wondrous yet dangerous world. ""

MIT Press
Explore the laws and theories of physics in this accessible introduction to the forces that shape our universe, our planet, and our everyday lives. Using a bold, graphics-led approach, The Physics Book sets out more than 80 of the key concepts and discoveries that have defined the subject and influenced our technology since the beginning of time. With the focus firmly on unpacking the thought behind each theory-as well as exploring when and how each idea and breakthrough came about-five themed chapters examine the history and developments in specific areas such as Light, Sound, and Electricity. Eureka moments abound: from Archimedes' bathtub discoveries about displacement and density, and Galileo's experiments with spheres falling from the Tower of Pisa, to Isaac Newton's apple and his conclusions about gravity and the laws of motion. You'll also learn about Albert Einstein's revelations about relativity; how the accidental discovery of cosmic microwave background radiation confirmed the Big Bang theory; the search for the Higgs boson particle; and why most of the universe is missing. If you've ever wondered exactly how physicists formulated-and proved-their abstract concepts, The Physics Book is the book for you. Series Overview: Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

Statistics Done Wrong Paul Dry Books
Amanda is in bed and all ready for her operation in the morning. Or so her mum thinks. Little does she know, Amanda is making a break for it through her bedroom window She's too freaked out to have an operation. Luckily, the Medikidz are on full alert and catch her as she goes 'bump' in the night.

The Manga Guide to Calculus No Starch Press
Everything ’ s gone screwy at Tagai Academy. When the headmaster forces Minagi ’ s entire class to study Einstein ’ s theory of relativity over summer school, Minagi volunteers to go in their place. There ’ s just one problem: He ’ s never even heard of relativity before! Luckily, Minagi has the plucky Miss Uruga to teach him. Follow along with The Manga Guide to Relativity as Minagi learns about the non-intuitive laws that shape our universe. Before you know it, you ’ ll master difficult concepts like inertial frames of reference, unified spacetime, and the equivalence principle. You ’ ll see how relativity affects modern astronomy and discover why GPS systems and other everyday technologies depend on Einstein ’ s extraordinary discovery. The Manga Guide to Relativity also teaches you how to: – Understand and use E = mc2, the world ’ s most famous equation – Calculate the effects of time dilation using the Pythagorean theorem – Understand classic thought experiments like the Twin Paradox, and see why length contracts and mass increases at relativistic speeds – Grasp the underpinnings of Einstein ’ s special and general theories of relativity If the idea of bending space and time really warps your brain, let The Manga Guide to Relativity straighten things out.

The Subtle Dialogue Between Physics and Elegance No Starch Press
A contrarian scientist wrestles with the big questions that modern physics raises, and what physics says about the human condition Not only can we not currently explain the origin of the universe, it is questionable we will ever be able to explain it. The notion that there are universes within particles, or that particles are conscious, is ascientific, as is the hypothesis that our universe is a computer simulation. On the other hand, the idea that the universe itself is conscious is difficult to rule out entirely. According to Sabine Hossenfelder, it is not a coincidence that quantum entanglement and vacuum energy have become the go-to explanations of alternative healers, or that people believe their deceased grandmother is still alive because of quantum mechanics. Science and religion have the same roots, and they still tackle some of the same questions: Where do we come from? Where do we go to? How much can we know? The area of science that is closest to answering these questions is physics. Over the last century, physicists have learned a lot about which spiritual ideas are still compatible with the laws of nature. Not always, though, have they stayed on the scientific side of the debate. In this lively, thought-provoking book, Hossenfelder takes on the biggest questions in physics: Does the past still exist? Do particles think? Was the universe made for us? Has physics ruled out free will? Will we ever have a theory of everything? She lays out how far physicists are on the way to answering these questions, where the current limits are, and what questions might well remain unanswerable forever. Her book offers a

no-nonsense yet entertaining take on some of the toughest riddles in existence, and will give the reader a solid grasp on what we know—and what we don ’ t know.

The Manga Guide to Electricity No Starch Press

Examines the workings of nature's mechanical designs and man's technology and compares the design similarities and differences of both human and natural technologies.

The Manga Guide to Molecular Biology No Starch Press

Recounts in graphic novel format the life and career of controversial American writer and philospher

Ayn Rand, best known for her novel "Atlas Shrugged," whose distinctive views on economics and society have inspired many.

Cartoon Guide to Genetics Bluewater Productions

Read graphic history to experience living though the Dust Bowl.

The Yakuza's Guide to Babysitting Vol. 1 (manga) No Starch Press

Mother Teresa of Calcutta was a Roman Catholic nun, founder of the Missionaries of Charity, and

receipient of the 1979 Nobel Peace Prize in recognition of her humanitarian work. This graphic

adaptation reveals the true story about her love, her service, and her dedication.