

## Logicomix

According to the great mathematician Paul Erdős, God maintains perfect mathematical proofs in The Book. This book presents the authors' candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.

An innovative, dramatic graphic novel about the treacherous pursuit of the foundations of mathematics.

Praised throughout the cartoon industry by such luminaries as Art Spiegelman, Matt Groening, and Will Eisner, this innovative comic book provides a detailed look at the history, meaning, and art of comics and cartooning.

In graphic novel format, presents the story of two world superpowers racing to land a man on the moon, and the people who worked on the project.

The book shows how the art of mathematical imagining is not as mysterious as it seems. Drawing on a variety of artistic resources the author reveals how anyone can begin to visualize the enigmatic 'imaginary numbers' that first baffled mathematicians in the 16th century.

Why does modern life revolve around objectives? From how science is funded, to improving how children are educated -- and nearly everything in-between -- our society has become obsessed with a seductive illusion: that greatness results from doggedly measuring improvement in the relentless pursuit of an ambitious goal. In *Why Greatness Cannot Be Planned*, Stanley and Lehman begin with a surprising scientific discovery in artificial intelligence that leads ultimately to the conclusion that the objective obsession has gone too far. They make the case that great achievement can't be bottled up into mechanical metrics; that innovation is not driven by narrowly focused heroic effort; and that we would be wiser (and the outcomes better) if instead we whole-heartedly embraced serendipitous discovery and playful creativity. Controversial at its heart, yet refreshingly provocative, this book challenges readers to consider life without a destination and discovery without a compass.

*Sweet Reason: A Field Guide to Modern Logic*, 2nd Edition offers an innovative, friendly, and effective introduction to logic. It integrates formal first order, modal, and non-classical logic with natural language reasoning, analytical writing, critical thinking, set theory, and the philosophy of logic and mathematics. An innovative introduction to the field of logic designed to entertain as it informs. Integrates formal first order, modal, and non-classical logic with natural language reasoning, analytical writing, critical thinking, set theory, and the philosophy of logic and mathematics. Addresses contemporary applications of logic in fields such as computer science and linguistics. A web-site ([www.wiley.com/go/henle](http://www.wiley.com/go/henle)) linked to the text features numerous supplemental exercises and examples, enlightening puzzles and cartoons, and insightful essays.

An Economist "Our Books of the Year" Selection. Economist Bryan Caplan makes a bold case for unrestricted immigration in this fact-filled graphic nonfiction. American policy-makers have long been locked in a heated battle over whether, how many, and what kind of immigrants to allow to live and work in the country. Those in favor of welcoming more immigrants often cite humanitarian reasons, while those in favor of more restrictive laws argue the need to protect native citizens. But economist Bryan Caplan adds a new, compelling perspective to the immigration debate: He argues that opening all borders could eliminate absolute poverty worldwide and usher in a booming worldwide economy—greatly benefiting humanity. With a clear and conversational tone, exhaustive research, and vibrant illustrations by Zach Weinersmith, *Open Borders* makes the case for unrestricted immigration easy to follow and hard to deny.

This anthology hosts a collection of essays examining the role of comics as portals for historical and academic content, while keeping the approach on an international market versus the American one.

Relates the story of Elish ben Abuyah, a talmudic rabbi who turns to Greek philosophy in his search for a rational explanation for religious faith, is excommunicated by the Sanhedrin, and betrays his former associates in the rabbinate to the Romans. "Part fiction, part overview of 'Aha!' moments in the forward march of physics, *Only the Longest Threads* takes readers dramatically through scientific fields such as quantum field theory, electromagnetism, relativity, quantum mechanics, and string theory. Each idea or concept is explored in an inventive chapter, each told from a different first-person narrator; the faux emails, letters, and diary entries take place from 1728 to the present day."—Boing Boing, "The Best Books for Nerds from 2014" "Science is done by real human beings, with human concerns. *Only the Longest Threads* tells a story that conveys the human side of science in a way that is as moving as it is accurate."—Sean Carroll, theoretical physicist at Caltech and author of *The Particle at the End of the Universe* "Only the Longest Threads will thrill readers with its dramatic and lucid accounts of the great breakthroughs in the history of physics—classical mechanics, electromagnetism, relativity, quantum mechanics, quantum field theory, and string theory, each from the viewpoint of a (fictional) witness to the events. Tasneem Zehra Husain re-imagines the pivotal moments in the history of physics when radical new theories shifted our perception of the universe, and our place in it. Husain immerses the reader in the immediacy and excitement of the discoveries—and she guides us as we begin to understand the underlying science and to grasp the revolutionary step forward each of these milestones represents. "Tasneem Zehra Husain writes lyrically, poetically about life, love, and physics. I highly recommend this wonderful book for anyone interested in what physics, and indeed all of science, is about. She masterfully describes the most momentous moments in physics history with verve and talent."—Amir D. Aczel, bestselling author of *Fermat's Last Theorem* "A delightful meditation on the development of modern physics, culminating in the discovery of the Higgs. Husain follows the thread of its creation through a dialog between a journalist and young theory student, and as seen through the eyes of witnesses."—John Huth, Donner Professor of Science, Harvard University "Well-written and cleverly constructed, this book takes us on a journey through the history of physics as a series of fictional adventures, loosely linked by another fiction, the storytellers' emails to each other. Some books are praised because 'I couldn't put it down,' but this one merits a deeper reading, one that stops, muses on, and savors each story before going on to the next. Each one captures not only the emergence of a significant idea in physics, but also something of the characters, culture, and times surrounding that development. So take your time, pause to ponder, but persevere, you will be well rewarded!"—Helen R. Quinn, Physicist, Science Educator, and co-author of *The Mystery of the Missing Antimatter*, Professor Emeritus SLAC National Accelerator Laboratory "How do theoretical physicists think? Tasneem Zehra Husain knows. She knows their purpose, feels their passions, articulates their frustrations, shares their triumphs. Through the device of fiction *Only the Longest Threads* communicates the history of physical thought—its roots in inquisitiveness and essential disinterest in outcome—with greater clarity than any popular science text."—Michael Duff FRS, Abdus Salam Professor of Theoretical Physics, Imperial College London "An artfully constructed journey through space and time."—Freddy Cachazo, Perimeter Institute for Theoretical Physics "Husain skillfully weaves a poetic tapestry."—Joseph Mazur, author of *Enlightening Symbols*

The cohost of NPR's *On the Media* narrates, in cartoon form, two millennia of the influence of the media on the populace, from newspapers in Caesar's Rome to the penny press of the American Revolution to today. 30,000 first printing.

The autobiography of the second wife of Bertrand Russell, herself a brilliant academic and spirited champion of the cause of women.

In the tradition of Logicomix, Donald Robertson's Verissimus is a riveting graphic novel on the life and stoic philosophy of Marcus Aurelius. Marcus Aurelius was the last famous Stoic of antiquity but he was also to become the most powerful man in the known world – the Roman emperor. After losing his father at an early age, he threw himself into the study of philosophy. The closest thing history knew to a philosopher-king, yet constant warfare and an accursed plague almost brought his empire to its knees. "Life is warfare", he wrote, "and a sojourn in foreign land!" One thing alone could save him: philosophy, the love of wisdom! The remarkable story of Marcus Aurelius' life and philosophical journey is brought to life by philosopher and psychotherapist Donald Robertson, in a sweeping historical epic of a graphic novel, based on a close study of the historical evidence, with the stunning full-color artwork of award-winning illustrator Zé Nuno Fraga.

This brilliantly illustrated tale of reason, insanity, love and truth recounts the story of Bertrand Russell's life. Raised by his paternal grandparents, young Russell was never told the whereabouts of his parents. Driven by a desire for knowledge of his own history, he attempted to force the world to yield to his yearnings- for truth, clarity and resolve. As he grew older, and increasingly sophisticated as a philosopher and mathematician, Russell strove to create an objective language with which to describe the world - one free of the biases and slippages of the written word. At the same time, he began courting his first wife, teasing her with riddles and leaning on her during the darker days, when his quest was bogged down by paradoxes, frustrations and the ghosts of his family's secrets. Ultimately, he found considerable success - but his career was stalled when he was outmatched by an intellectual rival- his young, strident, brilliantly original student, Ludwig Wittgenstein. An insightful and complexly layered narrative, Logicomix reveals both Russell's inner struggle and the quest for the foundations of logic. Narration by an older, wiser Russell, as well as asides from the author himself, make sense of the story's heady and powerful ideas. At its heart, Logicomix is a story about the conflict between pure reason and the persistent flaws of reality, a narrative populated by great and august thinkers, young lovers, ghosts and insanity.

Treats politics, economics, technology, and geography as fundamental factors in generating an audience for logic.

Recounts, in graphic novel format, the life of Bertrand Russell, mathematician and philosopher, and his life-long struggle to achieve perfect logic and ultimate truth.

This book publishes, for the first time in full, the two most revealing of Mark Twain's private writings. Here he turns his mind to the daily life he shared with his wife Livy, their three daughters, a great many servants, and an imposing array of pets. These first-hand accounts display this gifted and loving family in the period of its flourishing. Mark Twain began to write "A Family Sketch" in response to the early death of his eldest daughter, Susy, but the manuscript grew under his hands to become an exuberant account of the entire household. His record of the childrens' sayings—"Small Foolishnesses"—is next, followed by the related manuscript "At the Farm." Also included are selections from Livy's 1885 diary and an authoritative edition of Susy's biography of her father, written when she was a teenager. Newly edited from the original manuscripts, this anthology is a unique record of a fascinating family.

This innovative, dramatic graphic novel recounts the spiritual odyssey of philosopher Bertrand Russell. In his agonized search for absolute truth, Russell crosses paths with legendary thinkers and finds a passionate student in the great Ludwig Wittgenstein.

The former White House press secretary examines how and why the Bush administration went awry, providing a look at George W. Bush and his top aides in terms of such crises as Hurricane Katrina, the Iraq war, and Washington's political infighting.

Comic book studies has developed as a solid academic discipline, becoming an increasingly vibrant field in the United States and globally. A growing number of dissertations, monographs, and edited books publish every year on the subject, while world comics represent the fastest-growing sector of publishing. The Oxford Handbook of Comic Book Studies looks at the field systematically, examining the history and evolution of the genre from a global perspective. This includes a discussion of how comic books are built out of shared aesthetic systems such as literature, painting, drawing, photography, and film. The Handbook brings together readable, jargon-free essays written by established and emerging scholars from diverse geographic, institutional, gender, and national backgrounds. In particular, it explores how the term "global comics" has been defined, as well the major movements and trends that will drive the field in the years to come. Each essay will help readers understand comic books as a storytelling form grown within specific communities, and will also show how these forms exist within what can be considered a world system of comics.

Winner of the Bernard J. Brommel Award for Biography & Memoir Best Graphic Novels of the Year-Forbes Jewish Book Award Finalist Finalist for the Chautauqua Prize For Persepolis and Logicomix fans, a New Yorker cartoonist's page-turning graphic biography of the fascinating Hannah Arendt, the most prominent philosopher of the twentieth century. One of the greatest philosophers of the twentieth century and a hero of political thought, the largely unsung and often misunderstood Hannah Arendt is best known for her landmark 1951 book on openness in political life, The Origins of Totalitarianism, which, with its powerful and timely lessons for today, has become newly relevant. She led an extraordinary life. This was a woman who endured Nazi persecution firsthand, survived harrowing "escapes" from country to country in Europe, and befriended such luminaries as Walter Benjamin and Mary McCarthy, in a world inhabited by everyone from Marc Chagall and Marlene Dietrich to Albert Einstein and Sigmund Freud. A woman who finally had to give up her unique genius for philosophy, and her love of a very compromised man - the philosopher and Nazi-sympathizer Martin Heidegger - for what she called "love of the world." Compassionate and enlightening, playful and page-turning, New Yorker cartoonist Ken Krimstein's The Three Escapes of Hannah Arendt is a strikingly illustrated portrait of a complex, controversial, deeply flawed, and irrefutably courageous woman whose intelligence and "virulent truth telling" led her to breathtaking insights into the human condition, and whose experience continues to shine a light on how to live as an individual and a public citizen in troubled times.

LogicomixAn Epic Search for TruthBloomsbury Pub Plc USA

A genre splicing collaboration between a neuroscientist and a comic artist about the way our brains work.

This fictionalized account of the first African-American regiment, called the Harlem Hellfighters by their enemies, to fight in World War I relates the heroic journey these soldiers undertook for a chance to fight for America. Original. 150,000 first printing.

Uncle Petros is a family joke. An ageing recluse, he lives alone in a suburb of Athens, playing chess and tending to his garden. If you didn't know better, you'd surely think he was one of life's failures. But his young nephew suspects otherwise. For Uncle Petros, he discovers, was once a celebrated mathematician, brilliant and foolhardy enough to stake everything on solving a problem that

had defied all attempts at proof for nearly three centuries - Goldbach's Conjecture. His quest brings him into contact with some of the century's greatest mathematicians, including the Indian prodigy Ramanujan and the young Alan Turing. But his struggle is lonely and single-minded, and by the end it has apparently destroyed his life. Until that is a final encounter with his nephew opens up to Petros, once more, the deep mysterious beauty of mathematics. Uncle Petros and Goldbach's Conjecture is an inspiring novel of intellectual adventure, proud genius, the exhilaration of pure mathematics - and the rivalry and antagonism which torment those who pursue impossible goals.

This exceptional graphic novel recounts the spiritual odyssey of philosopher Bertrand Russell. In his agonized search for absolute truth, Russell crosses paths with legendary thinkers like Gottlob Frege, David Hilbert, and Kurt Gödel, and finds a passionate student in the great Ludwig Wittgenstein. But his most ambitious goal—to establish unshakable logical foundations of mathematics—continues to loom before him. Through love and hate, peace and war, Russell persists in the dogged mission that threatens to claim both his career and his personal happiness, finally driving him to the brink of insanity. This story is at the same time a historical novel and an accessible explication of some of the biggest ideas of mathematics and modern philosophy. With rich characterizations and expressive, atmospheric artwork, the book spins the pursuit of these ideas into a highly satisfying tale. Probing and ingeniously layered, the book throws light on Russell's inner struggles while setting them in the context of the timeless questions he spent his life trying to answer. At its heart, Logicomix is a story about the conflict between an ideal rationality and the unchanging, flawed fabric of reality.

David Wright's prose version of Chaucer's classic.

Richard Feynman: physicist . . . Nobel winner . . . bestselling author . . . safe-cracker. In this substantial graphic novel biography, First Second presents the larger-than-life exploits of Nobel-winning quantum physicist, adventurer, musician, world-class raconteur, and one of the greatest minds of the twentieth century: Richard Feynman. Written by nonfiction comics mainstay Jim Ottaviani and brilliantly illustrated by First Second author Leland Myrick, Feynman tells the story of the great man's life from his childhood in Long Island to his work on the Manhattan Project and the Challenger disaster. Ottaviani tackles the bad with the good, leaving the reader delighted by Feynman's exuberant life and staggered at the loss humanity suffered with his death. Anyone who ever wanted to know more about Richard P. Feynman, quantum electrodynamics, the fine art of the bongo drums, the outrageously obscure nation of Tuva, or the development and popularization of the field of physics in the United States need look no further than this rich and joyful work. One of School Library Journal's Best Adult Books 4 Teens titles of 2011 One of Horn Book's Best Nonfiction Books of 2011

«L'avventura intellettuale ed esistenziale che Bertrand Russell ha affrontato è stata trasposta in un graphic novel che è insieme un racconto avvincente e una lezione di storia della logica. » The Guardian «Logicomix può fungere egregiamente da introduzione alla filosofia e alla matematica del XX secolo; eppure non è un libro di testo, è un fumetto. » The Washington Post «Un brillante graphic novel che traduce le grandi idee della ricerca scientifica in un racconto affascinante ed elegantemente illustrato. » Library Journal «Gli autori di Logicomix hanno compiuto un miracolo: rendere perfettamente accessibile, anche grazie alle vivaci illustrazioni, una materia che può sembrare astrusa. » The Boston Globe Chiamato a esprimere un'opinione sull'intervento degli Stati Uniti nella Seconda guerra mondiale, Bertrand Russell decide di cominciare il discorso da lontano, raccontando la propria vita. Così le vicende personali di Russell, dalla rigida educazione puritana dell'infanzia ai tormentati amori della maturità, si intrecciano alla sua storia di scienziato e filosofo, che getta le fondamenta della logica matematica moderna. Un viaggio che comincia sul finire del XIX secolo, per continuare in anni di grandi speranze e terribili conflitti, in compagnia di pensatori del calibro di Frege, Wittgenstein e Gödel. Ma anche insieme agli autori di questo libro, che intervengono in prima persona nel flusso del racconto, per coinvolgere i lettori in una storia che è quella di un cruciale capitolo della scienza. Logicomix segna un nuovo traguardo per il graphic novel come forma d'arte e strumento di divulgazione. La logica, la matematica e la filosofia non sono mai apparse così affascinanti ed emozionanti.

Sequential art combines the visual and the narrative in a way that readers have to interpret the images with the writing. Comics make a good fit with education because students are using a format that provides active engagement. This collection of essays is a wide-ranging look at current practices using comics and graphic novels in educational settings, from elementary schools through college. The contributors cover history, gender, the use of specific graphic novels, practical application and educational theory. Before his journey as a wandering, masterless samurai (ronin) began, Usagi underwent intense training under a mountain hermit, Katsuichi-Sensei, taking his first steps down the path of the warrior. Eventually, that path leads him to the pivotal battle of Adachigahara, which serves as the impetus for the host of amazing tales to come. Collected in full colour as never before, discover--or rediscover--the critical origin of Stan Sakai's most beloved character as he tells his story, setting the stage for the decades-long epic that follows. Collects IDW's Usagi Yojimbo Color Classics #1-7, which present 1987's "Samurai" storyline in color for the first time.

An outrageous graphic novel that investigates key concepts in mathematics Integers and permutations—two of the most basic mathematical objects—are born of different fields and analyzed with separate techniques. Yet when the Mathematical Sciences Investigation team of crack forensic mathematicians, led by Professor Gauss, begins its autopsies of the victims of two seemingly unrelated homicides, Arnie Integer and Daisy Permutation, they discover the most extraordinary similarities between the structures of each body. Prime Suspects is a graphic novel that takes you on a voyage of forensic discovery, exploring some of the most fundamental ideas in mathematics. Travel with Detective von Neumann as he leaves no clue unturned, from shepherds' huts in the Pyrenees to secret societies in the cafés of Paris, from the hidden codes in the music of the stones to the grisly discoveries in Finite Fields. Tremble at the ferocity of the believers in deep and rigid abstraction. Feel the frustration—and the excitement—of our young heroine, Emmy Germain, as she blazes a trail for women in mathematical research and learns from Professor Gauss, the greatest forensic detective of them all. Beautifully drawn and exquisitely detailed, Prime Suspects is unique, astonishing, and witty—a once-in-a-lifetime opportunity to experience mathematics like never before.

The primacy of words over images has deep roots in Western culture. But what if the two are inextricably linked in meaning-making? In this experiment in visual thinking, drawn in comics, Nick Sousanis defies conventional discourse to offer readers a stunning work of graphic art and a serious inquiry into the ways humans construct knowledge.

Co-written by New York Times bestselling and Newbery Honor winning author Shannon Hale, this sequel to the highly acclaimed Rapunzel's Revenge is a hilarious tall tale about Jack, his beanstalk . . . and his best-friend-with-wicked-braids, Rapunzel. Jack likes to think of himself as a criminal mastermind . . . with an unfortunate amount of bad luck. A schemer, plotter, planner, trickster, swindler . . . maybe even thief? One fine day Jack picks a target a little more giant than the usual, and one little bean turns into a great big building-destroying beanstalk. With help from Rapunzel (and her trusty braids), a pixie from Jack's past, and a man with inventions from the future, they just might out-swindle the evil

giants and put his beloved city back in the hands of good people . . . while catapulting themselves and readers into another fantastical adventure. Don't miss any of these other books from New York Times bestselling author Shannon Hale: Graphic Novels with Dean Hale, illustrated by Nathan Hale Rapunzel's Revenge Calamity Jack The Books of Bayern The Goose Girl Enna Burning River Secrets Forest Born The Princess Academy trilogy Princess Academy Princess Academy: Palace of Stone Princess Academy: The Forgotten Sisters Book of a Thousand Days Dangerous For Adults Austenland Midnight in Austenland The Actor and the Housewife

"Powerful." —Maureen Corrigan, NPR's Fresh Air Named a best book of the year by NPR, Kirkus Reviews, and BookPage David Federman has never felt appreciated. An academically gifted yet painfully forgettable member of his New Jersey high school class, the withdrawn, mild-mannered freshman arrives at Harvard fully expecting to be embraced by a new tribe of high-achieving peers. Initially, however, his social prospects seem unlikely to change, sentencing him to a lifetime of anonymity. Then he meets Veronica Morgan Wells. Struck by her beauty, wit, and sophisticated Manhattan upbringing, David becomes instantly infatuated. Determined to win her attention and an invite into her glamorous world, he begins compromising his moral standards for this one, great shot at happiness. But both Veronica and David, it turns out, are not exactly as they seem. Loner turns the traditional campus novel on its head as it explores ambition, class, and gender politics. It is a stunning and timely literary achievement from one of the rising stars of American fiction.

The world of computation according to Turing, an interactive tutoring program, as told to star-crossed lovers: a novel. Our hero is Turing, an interactive tutoring program and namesake (or virtual emanation?) of Alan Turing, World War II code breaker and father of computer science. In this unusual novel, Turing's idiosyncratic version of intellectual history from a computational point of view unfolds in tandem with the story of a love affair involving Ethel, a successful computer executive, Alexandros, a melancholy archaeologist, and Ian, a charismatic hacker. After Ethel (who shares her first name with Alan Turing's mother) abandons Alexandros following a sundrenched idyll on Corfu, Turing appears on Alexandros's computer screen to unfurl a tutorial on the history of ideas. He begins with the philosopher-mathematicians of ancient Greece—"discourse, dialogue, argument, proof... can only thrive in an egalitarian society"—and the Arab scholar in ninth-century Baghdad who invented algorithms; he moves on to many other topics, including cryptography and artificial intelligence, even economics and developmental biology. (These lessons are later critiqued amusingly and developed further in postings by a fictional newsgroup in the book's afterword.) As Turing's lectures progress, the lives of Alexandros, Ethel, and Ian converge in dramatic fashion, and the story takes us from Corfu to Hong Kong, from Athens to San Francisco—and of course to the Internet, the disruptive technological and social force that emerges as the main locale and protagonist of the novel. Alternately pedagogical and romantic, Turing (A Novel about Computation) should appeal both to students and professionals who want a clear and entertaining account of the development of computation and to the general reader who enjoys novels of ideas.

From a team including the artists of the New York Times bestseller Logicomix, another entertaining and educational graphic delight focusing on the origins and rise of democracy.

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