

# 1089 And All That A Journey Into Mathematics

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**The Calculus Story** - David Acheson  
2017-11-04  
Calculus is the key to much of modern science

and engineering. It is the mathematical method for the analysis of things that change, and since in the natural world we are surrounded by

change, the development of calculus was a huge breakthrough in the history of mathematics. But it is also something of a mathematical adventure, largely because of the way infinity enters at virtually every twist and turn... In *The Calculus Story* David Acheson presents a wide-ranging picture of calculus and its applications, from ancient Greece right up to the present day. Drawing on their original writings, he introduces the people who helped to build our understanding of calculus. With a step by step treatment, he demonstrates how to start doing calculus, from the very beginning.

**From Calculus to Chaos** - David Acheson 1997  
What is calculus really for? This book is a highly readable introduction to applications of calculus, from Newton's time to the present day. These often involve questions of dynamics, i.e. of how - and why - things change with time. Problems of this kind lie at the heart of much of applied mathematics, physics, and engineering. *From Calculus to Chaos* takes a fresh approach

to the subject as a whole, by moving from first steps to the frontiers, and by highlighting only the most important and interesting ideas, which can get lost amid a snowstorm of detail in conventional texts. The book is aimed at a wide readership, and assumes only some knowledge of elementary calculus. There are exercises (with full solutions) and simple but powerful computer programs which are suitable even for readers with no previous computing experience. David Acheson's book will inspire new students by providing a foretaste of more advanced mathematics and showing just how interesting the subject can be.

**If We Had Known** - Elise Juska 2018-04-17  
A literary tour de force from the acclaimed author of *The Blessings*-a riveting new novel about one of the most urgent crises of our time. One August afternoon, as single mother Maggie Daley prepares to send her only child off to college, their world is shattered by news of a mass shooting at the local mall in rural Maine.

As reports and updates about the tragedy begin to roll in, Maggie, an English professor, is further stunned to learn that the gunman had been a student of hers: Nathan Dugan was an awkward, complicated young man whose quiet presence in her classroom had faded from her memory-but not, it seems, the memories of his classmates. When a viral blog post hints at the existence of a dark, violence-tinged essay Nathan had written during Maggie's freshman comp seminar, Maggie soon finds herself at the center of a heated national controversy. Could the overlooked essay have offered critical red flags that might have warned of, or even prevented, the murders to come? As the media storm grows around her, Maggie makes a series of desperate choices that threaten to destroy not just the personal and professional lives she's worked so hard to build, but-more important-the happiness and safety of her sensitive daughter, Anna. Engrossing and provocative, combining sharp plot twists with Juska's award-winning,

trademark literary sophistication, *IF WE HAD KNOWN* is at once an unforgettable mother-daughter journey, an exquisite portrait of a community in turmoil, and a harrowing examination of ethical and moral responsibility in a dangerously interconnected digital world. Journey - James A. Michener 2014-03-18 One of the premier novelists of the twentieth century, James A. Michener captures a frenzied time when sane men and women risked their very lives in a forbidding Arctic land to win a dazzling and elusive prize: Yukon gold. In 1897, gold fever sweeps the world. The promise of untold riches lures thousands of dreamers from all walks of life on a perilous trek toward fortune, failure—or death. *Journey* is an immersive account of the adventures of four English aristocrats and their Irish servant as they haul across cruel Canadian terrain toward the Klondike gold fields. Vivid and sweeping, featuring Michener's probing insights into the follies and grandeur of the human spirit, this is

the kind of novel only he could write. BONUS: This edition includes an excerpt from James A. Michener's Hawaii. Praise for Journey "Stunning . . . Michener at his best."—Houston Chronicle "Michener brings sharply into focus the hardships encountered by those who dreamed of striking it rich."—Associated Press "Michener has amassed a peerless reputation as the heralded dean of the historical tome. . . . Journey is a book that envelops the reader in an atmosphere of hazardous escapades."—Richmond Times-Dispatch "Remarkable . . . superb literature."—The Pittsburgh Press

*Math Without Numbers* - Milo Beckman

2022-01-11

An illustrated tour of the structures and patterns we call "math" The only numbers in this book are the page numbers. Math Without Numbers is a vivid, conversational, and wholly original guide to the three main branches of abstract math—topology, analysis, and algebra—which

turn out to be surprisingly easy to grasp. This book upends the conventional approach to math, inviting you to think creatively about shape and dimension, the infinite and infinitesimal, symmetries, proofs, and how these concepts all fit together. What awaits readers is a freewheeling tour of the inimitable joys and unsolved mysteries of this curiously powerful subject. Like the classic math allegory Flatland, first published over a century ago, or Douglas Hofstadter's Godel, Escher, Bach forty years ago, there has never been a math book quite like Math Without Numbers. So many popularizations of math have dwelt on numbers like pi or zero or infinity. This book goes well beyond to questions such as: How many shapes are there? Is anything bigger than infinity? And is math even true? Milo Beckman shows why math is mostly just pattern recognition and how it keeps on surprising us with unexpected, useful connections to the real world. The ambitions of this book take a special kind of author. An

inventive, original thinker pursuing his calling with jubilant passion. A prodigy. Milo Beckman completed the graduate-level course sequence in mathematics at age sixteen, when he was a sophomore at Harvard; while writing this book, he was studying the philosophical foundations of physics at Columbia under Brian Greene, among others.

**Enclave** - Ann Aguirre 2011-04-12

After training to become a Huntress and being partnered with a mysterious Hunter named Fade, Deuce, who has only lived underground, is exiled topside with Fade, where they must survive the gangs who live among the ruins of the city.

What is Mathematics? - Herbert Robbins Richard Courant (Ian Stewart) 1996

A discussion of fundamental mathematical principles from algebra to elementary calculus designed to promote constructive mathematical reasoning.

*The Journey of Soul Initiation* Bill Plotkin, PhD

2021-01-12

Soul initiation is an essential spiritual adventure that most of the world has forgotten — or not yet discovered. Here, visionary ecopsychologist Bill Plotkin maps this journey, one that has not been previously illuminated in the contemporary Western world and yet is vital for the future of our species and our planet. Based on the experiences of thousands of people, this book provides phase-by-phase guidance for the descent to soul — the dissolution of current identity; the encounter with the mythopoetic mysteries of soul; and the metamorphosis of the ego into a cocreator of life-enhancing culture. Plotkin illustrates each phase of this riveting and sometimes hazardous odyssey with fascinating stories from many people, including those he has guided. Throughout he weaves an in-depth exploration of Carl Jung's Red Book — and an innovative framework for understanding it. *The Problem with Everything* Meghan Daum 2019-10-22

"[A]ffectingly personal, achingly earnest, and something close to necessary." —Vogue  
"Personal, convincing, unflinching." —Tablet  
From an author who's been called "one of the most emotionally exacting, mercilessly candid, deeply funny, and intellectually rigorous writers of our time" (Cheryl Strayed, #1 New York Times bestselling author) comes a seminal book that reaches surprising truths about feminism, the Trump era, and the Resistance movement. You won't be able to stop thinking and talking about it. In this gripping work, Meghan Daum examines our country's most intractable problems with clear-eyed honesty instead of exaggerated outrage. With passion, humor, and personal reflection, she tries to make sense of the current landscape—from Donald Trump's presidency to the #MeToo movement and beyond. In the process, she wades into the waters of identity politics and intersectionality, thinks deeply about campus politics and notions of personal resilience, and tests a theory about

the divide between Gen Xers and millennials. This signature work may well be the first book to capture the essence of this era in all its nuances and contradictions. No matter where you stand on its issues, this book will strike a chord.

**How to Fall Slower Than Gravity** - Paul J. Nahin 2021-11-23

An engaging collection of intriguing problems that shows you how to think like a mathematical physicist Paul Nahin is a master at explaining odd phenomena through straightforward mathematics. In this collection of twenty-six intriguing problems, he explores how mathematical physicists think. Always entertaining, the problems range from ancient catapult conundrums to the puzzling physics of a very peculiar material called NASTYGLASS—and from dodging trucks to why raindrops fall slower than the rate of gravity. The questions raised may seem impossible to answer at first and may require an unexpected twist in reasoning, but sometimes their solutions are surprisingly

simple. Nahin's goal, however, is always to guide readers—who will need only to have studied advanced high school math and physics—in expanding their mathematical thinking to make sense of the curiosities of the physical world. The problems are in the first part of the book and the solutions are in the second, so that readers may challenge themselves to solve the questions on their own before looking at the explanations. The problems show how mathematics—including algebra, trigonometry, geometry, and calculus—can be united with physical laws to solve both real and theoretical problems. Historical anecdotes woven throughout the book bring alive the circumstances and people involved in some amazing discoveries and achievements. More than a puzzle book, this work will immerse you in the delights of scientific history while honing your math skills.

*A Skeptic's Guide to Writers' Houses*  
Anne Trubek 2011-07-11

There are many ways to show our devotion to an author besides reading his or her works. Graves make for popular pilgrimage sites, but far more popular are writers' house museums. What is it we hope to accomplish by trekking to the home of a dead author? We may go in search of the point of inspiration, eager to stand on the very spot where our favorite literary characters first came to life—and find ourselves instead in the house where the author himself was conceived, or where she drew her last breath. Perhaps it is a place through which our writer passed only briefly, or maybe it really was a longtime home—now thoroughly remade as a decorator's show-house. In *A Skeptic's Guide to Writers' Houses* Anne Trubek takes a vexed, often funny, and always thoughtful tour of a goodly number of house museums across the nation. In Key West she visits the shamelessly ersatz shrine to a hard-living Ernest Hemingway, while meditating on his lost Cuban farm and the sterile Idaho house in which he committed suicide. In

Hannibal, Missouri, she walks the fuzzy line between fact and fiction, as she visits the home of the young Samuel Clemens—and the purported haunts of Tom Sawyer, Becky Thatcher, and Injun' Joe. She hits literary pay-dirt in Concord, Massachusetts, the nineteenth-century mecca that gave home to Hawthorne, Emerson, and Thoreau—and yet could not accommodate a surprisingly complex Louisa May Alcott. She takes us along the trail of residences that Edgar Allan Poe left behind in the wake of his many failures and to the burned-out shell of a California house with which Jack London staked his claim on posterity. In Dayton, Ohio, a charismatic guide brings Paul Laurence Dunbar to compelling life for those few visitors willing to listen; in Cleveland, Trubek finds a moving remembrance of Charles Chesnutt in a house that no longer stands. Why is it that we visit writers' houses? Although admittedly skeptical about the stories these buildings tell us about their former inhabitants, Anne Trubek carries us

along as she falls at least a little bit in love with each stop on her itinerary and finds in each some truth about literature, history, and contemporary America.

**Fourier Series** - Georgi P. Tolstov 2012-03-14  
This reputable translation covers trigonometric Fourier series, orthogonal systems, double Fourier series, Bessel functions, the Eigenfunction method and its applications to mathematical physics, operations on Fourier series, and more. Over 100 problems. 1962 edition.

[Binti: The Night Masquerade](#) - Nnedi Okorafor 2018-01-16

The concluding part of the highly-acclaimed science fiction trilogy that began with Nnedi Okorafor's Hugo- and Nebula Award-winning BINTI. Binti has returned to her home planet, believing that the violence of the Meduse has been left behind. Unfortunately, although her people are peaceful on the whole, the same cannot be said for the Khoush, who fan the

flames of their ancient rivalry with the Meduse. Far from her village when the conflicts start, Binti hurries home, but anger and resentment has already claimed the lives of many close to her. Once again it is up to Binti, and her intriguing new friend Mwinyi, to intervene--though the elders of her people do not entirely trust her motives--and try to prevent a war that could wipe out her people, once and for all. Don't miss this essential concluding volume in the Binti trilogy. The Binti Series Book 1: Binti Book 2: Binti: Home Book 3: Binti: The Night Masquerade At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

**Essential Organic Chemistry, Global Edition**

- Paula Yurkanis Bruice 2015-06-04

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Essential Organic Chemistry 3/e Plus MasteringChemistry with eText -- Access Card Package: The access card package consists of: 0321937716 / 9780321937711 Essential Organic Chemistry 3/e0133857972 / 9780133857979 MasteringChemistry with PearsonKey Benefits: MasteringChemistry should only be purchased when required by an instructor." For one-term Courses in Organic Chemistry. " A comprehensive, problem-solving approach for the brief Organic Chemistry course. Modern and thorough revisions to the streamlined, " Essential Organic Chemistry f'ocus on developing students' problem solving and analytical reasoning skills throughout organic chemistry. Organized around reaction similarities and rich with contemporary biochemical connections, Bruice's Third Edition discourages memorization and encourages students to be mindful of the fundamental reasoning behind organic reactivity: electrophiles react with nucleophiles. Developed

to support a diverse student audience studying organic chemistry for the first and only time, Essentials fosters an understanding of the principles of organic structure and reaction mechanisms, encourages skill development through new Tutorial Spreads and emphasizes bioorganic processes. Contemporary and rigorous, Essentials addresses the skills needed for the 2015 MCAT and serves both pre-med and biology majors. Also Available with MasteringChemistry(R) This title is also available with MasteringChemistry - the leading online homework, tutorial, and assessment system, designed to improve results by engaging students before, during, and after class with powerful content. Instructors ensure students arrive ready to learn by assigning educationally effective content before class, and encourage critical thinking and retention with in-class resources such as Learning Catalytics(TM). Students can further master concepts after class through traditional and adaptive homework

assignments that provide hints and answer-specific feedback. The Mastering gradebook records scores for all automatically graded assignments in one place, while diagnostic tools give instructors access to rich data to assess student understanding and misconceptions. MasteringChemistry brings learning full circle by continuously adapting to each student and making learning more personal than ever-before, during, and after class.

*WEIRD MATHS* - DAVID. BANERJEE DARLING (AGNIJO.) 2019

Mathematics: A Very Short Introduction - Timothy Gowers 2002-08-22

The aim of this volume is to explain the differences between research-level mathematics and the maths taught at school. Most differences are philosophical and the first few chapters are about general aspects of mathematical thought.

Arizona Gardener's Guide - Mary Irish 2001-09-01

Gardening is now the favorite outdoor leisure activity in America. Homeowners realize the health benefits available from gardening and the potential increase in their home's property value. Regional gardening titles offer the most useful advice because they provide credible information on the plants that perform best in specific states. Gardeners want information they can trust and use successfully in their own gardens. The Arizona Gardener's Guide is a full-color plant selection resource guide written especially for Arizona gardeners. It includes the top 175 landscape plants as recommended by one of Arizona's most respected horticultural experts.

Makers of Mathematics - Stuart Hollingdale  
2014-06-10

Each chapter of this accessible portrait of the evolution of mathematics examines the work of an individual — Archimedes, Descartes, Newton, Einstein, others — to explore the mathematics of his era. 1989 edition.

*The Spike*- Mark Humphries 2021-03-09  
The story of a neural impulse and what it reveals about how our brains work We see the last cookie in the box and think, can I take that? We reach a hand out. In the 2.1 seconds that this impulse travels through our brain, billions of neurons communicate with one another, sending blips of voltage through our sensory and motor regions. Neuroscientists call these blips “spikes.” Spikes enable us to do everything: talk, eat, run, see, plan, and decide. In *The Spike*, Mark Humphries takes readers on the epic journey of a spike through a single, brief reaction. In vivid language, Humphries tells the story of what happens in our brain, what we know about spikes, and what we still have left to understand about them. Drawing on decades of research in neuroscience, Humphries explores how spikes are born, how they are transmitted, and how they lead us to action. He dives into previously unanswered mysteries: Why are most neurons silent? What causes neurons to fire

spikes spontaneously, without input from other neurons or the outside world? Why do most spikes fail to reach any destination? Humphries presents a new vision of the brain, one where fundamental computations are carried out by spontaneous spikes that predict what will happen in the world, helping us to perceive, decide, and react quickly enough for our survival. Traversing neuroscience's expansive terrain, *The Spike* follows a single electrical response to illuminate how our extraordinary brains work.

*The Penguin Dictionary of Curious and Interesting Numbers* David Wells 1997-09-04  
Provides information on numbers and what makes particular ones noteworthy

**Filthy Beasts** - Kirkland Hamill 2021-06-08  
Running with Scissors meets Grey Gardens in this "vivid tragicomedy" (People), a riveting riches-to-rags tale of a wealthy family who lost it all and the unforgettable journey of a man coming to terms with his family's deep flaws and

his own hidden secrets. "Wake up, you filthy beasts!" Wendy Hamill would shout to her children in the mornings before school. Startled from their dreams, Kirk and his two brothers couldn't help but wonder—would they find enough food in the house for breakfast? Following a hostile exit from New York's upper-class society, newly divorced Wendy and her three sons are exiled from the East Coast elite circle. Wendy's middle son, Kirk, is eight when she moves the family to her native Bermuda, leaving the three young boys to fend for themselves as she chases after the highs of her old life: alcohol, a wealthy new suitor, and other indulgences. After eventually leaving his mother's dysfunctional orbit for college in New Orleans, Kirk begins to realize how different his family and upbringing is from that of his friends and peers. Split between rich privilege—early years living in luxury on his family's private compound—and bare survival—rationing food and water during the height of his mother's

alcoholism—Kirk is used to keeping up appearances and burying his inconvenient truths from the world, until he's eighteen and falls in love for the first time. A keenly observed, fascinating window into the life of extreme privilege and a powerful story of self-acceptance, *Filthy Beasts* is "a stunning, deeply satisfying story about how we outlive our upbringings" (Kirkus Reviews, starred review).

**Melania and Me** - Stephanie Winston Wolkoff  
2020-09-01

#1 NEW YORK TIMES BESTSELLER What Melania wants, Melania gets. The former director of special events at Vogue and producer of nine legendary Met Galas, Stephanie Winston Wolkoff met Melania Knauss in 2003 and had a front row seat to the transformation of Donald Trump's then girlfriend from a rough-cut gem to a precious diamond. As their friendship deepened over lunches at Manhattan hot spots, black-tie parties, and giggle sessions in the penthouse at Trump Tower, Wolkoff watched the

newest Mrs. Trump raise her son, Barron, and manage her highly scrutinized marriage. After Trump won the 2016 election, Wolkoff was recruited to help produce the 58th Presidential Inauguration and to become the First Lady's trusted advisor. Melania put Wolkoff in charge of hiring her staff, organizing her events, helping her write speeches, and creating her debut initiatives. Then it all fell apart when she was made the scapegoat for inauguration finance irregularities. Melania could have defended her innocent friend and confidant, but she stood by her man, knowing full well who was really to blame. The betrayal nearly destroyed Wolkoff. In this candid and emotional memoir, Stephanie Winston Wolkoff takes you into Trump Tower and the White House to tell the funny, thrilling, and heartbreaking story of her intimate friendship with one of the most famous women in the world, a woman few people truly understand. How did Melania react to the Access Hollywood tape and her husband's affair

with Stormy Daniels? Does she get along well with Ivanka? Why did she wear that jacket with "I really don't care, do u?" printed on the back? Is Melania happy being First Lady? And what really happened with the inauguration's funding of \$107 million? Wolkoff has some ideas...

*Proofs in Competition Mith: Volume 1*

Alexander Toller

### **Childhood Acute Lymphoblastic Leukemia -**

Ajay Vora 2017-04-21

This book provides a comprehensive and up-to-date review of all aspects of childhood Acute Lymphoblastic Leukemia, from basic biology to supportive care. It offers new insights into the genetic pre-disposition to the condition and discusses how response to early therapy and its basic biology are utilized to develop new prognostic stratification systems and target therapy. Readers will learn about current treatment and outcomes, such as immunotherapy and targeted therapy

approaches. Supportive care and management of the condition in resource poor countries are also discussed in detail. This is an indispensable guide for research and laboratory scientists, pediatric hematologists as well as specialist nurses involved in the care of childhood leukemia.

**1089 and All That** - David Acheson 2010-10-21

Pure mathematical gold, this insightful book by established author David Acheson makes mathematics accessible to everyone. The entertaining journey through the subject includes some fascinating puzzles and is accompanied by numerous illustrations and sketches by world famous cartoonists.

*Why Not Win?* - Larry Thornton 2019-04-01

Aspiring business owners and executives seeking to climb to the next rung, young to mid-career professionals seeking tools for life achievement, and general readers interested in biographies of successful people will like Larry Thornton's "Why Not Win?". The book is a front-row seat to

how one man altered his thinking to transform his life. The book begins with his growing up with brown skin in the 1960s in segregated Montgomery, Alabama. A desegregation school pioneer, Thornton was a classroom failure until a perceptive English teacher showed him he had value and encouraged him to go to college. Like the educator who changed his life, Thornton became a classroom teacher. But budget cuts took his job, and he decided to rewrite his story using his artistic talent. Thornton's artistry and work ethic got him attention at Coca-Cola, both for the good and the bad. He had to figure out a way to navigate this new world, where higher-ups praised him but co-workers reminded him of his "blackness" by drawing a noose in his workstation. He persevered by learning to appreciate and embrace diversity, people resources, and conflicting opinions. While his success grew at Coca-Cola, Thornton did the unthinkable: set out to be the first African American to own a McDonald's franchise in

Birmingham. This thorny journey was peppered with threats, attempts to thwart his mission and a marriage he could not keep from falling apart. He absorbed the "try, try and try again" motto, and came to see that failure was a prelude to feasting upon the sweet fruit of success. Thornton's own mother never had a checking account, but years after her passing he found himself on the board of directors for a major financial institution. He slowly became a part of a small fraternity of captains of industry and fought past guilt and insecurity to pave the way for others who look like him to join him at the table. Trying to fit into this new world, he learned that "Thank you," "Please," and "Excuse me" are perhaps three of the most powerful phrases in communication. Thornton made up his mind that he would spend each day on a mission to show his unbending gratitude for his life and its benefits by fostering a supreme attitude and maintaining consistency in vision, purpose, and an unwavering commitment to

principles. Thornton's journey from Madison Park, Montgomery, has been a long one. "Why Not Win?" reflects on his most useful lessons and the anecdotes associated with them. If he were a Zen monk, his koan might well be: "Plan your past." By that he means, think ahead one day, one week, one year, even twenty years out, and decide today your desired outcome, and work for it. "Thank God for memories," he says; "Let's plan to make them pleasant ones."

Your Next 24 Hours - Hal Donaldson 2017-02-14

If asked, who among us wouldn't say we were kind people? But kindness is often manifested in feelings of pity or sympathy--especially when others are watching--rather than in deeds. And when it comes down to it, what good does mere feeling do for the world? Your Next 24 Hours is about something much bigger--a lifestyle of kindness, without thought of reciprocation, extended toward every person in our lives, both friend and foe. Through powerful true stories of kindness lived out, this book shows readers the

enormous difference they can make through small, doable acts of kindness in their families, communities, workplaces, schools, and churches. It shows how every encounter with another person is an opportunity to be kind--and a chance to change our world. Readers of Your Next 24 Hours will find deep satisfaction and joy as they discover how they can be part of a revolution of kindness that starts with them and reaches out through every person their lives touch.

*Salt* - Mark Kurlansky 2011-03-18

From the award-winning and bestselling author of *Cod* comes the dramatic, human story of a simple substance, an element almost as vital as water, that has created fortunes, provoked revolutions, directed economies and enlivened our recipes. Salt is common, easy to obtain and inexpensive. It is the stuff of kitchens and cooking. Yet trade routes were established, alliances built and empires secured - all for something that filled the oceans, bubbled up

from springs, formed crusts in lake beds, and thickly veined a large part of the Earth's rock fairly close to the surface. From pre-history until just a century ago - when the mysteries of salt were revealed by modern chemistry and geology - no one knew that salt was virtually everywhere. Accordingly, it was one of the most sought-after commodities in human history. Even today, salt is a major industry. Canada, Kurlansky tells us, is the world's sixth largest salt producer, with salt works in Ontario playing a major role in satisfying the Americans' insatiable demand. As he did in his highly acclaimed *Cod*, Mark Kurlansky once again illuminates the big picture by focusing on one seemingly modest detail. In the process, the world is revealed as never before.

*Alex's Adventures in Numberland* Alex Bellos  
2011-04-04

The world of maths can seem mind-boggling, irrelevant and, let's face it, boring. This groundbreaking book reclaims maths from the

geeks. Mathematical ideas underpin just about everything in our lives: from the surprising geometry of the 50p piece to how probability can help you win in any casino. In search of weird and wonderful mathematical phenomena, Alex Bellos travels across the globe and meets the world's fastest mental calculators in Germany and a startlingly numerate chimpanzee in Japan. Packed with fascinating, eye-opening anecdotes, *Alex's Adventures in Numberland* is an exhilarating cocktail of history, reportage and mathematical proofs that will leave you awestruck.

**The Memo** - Minda Harts 2019-08-20

From microaggressions to the wage gap, *The Memo* empowers women of color with actionable advice on challenges and offers a clear path to success. Most business books provide a one-size-fits-all approach to career advice that overlooks the unique barriers that women of color face. In *The Memo*, Minda Harts offers a much-needed career guide tailored specifically for women of

color. Drawing on knowledge gained from her past career as a fundraising consultant to top colleges across the country, Harts now brings her powerhouse entrepreneurial experience as CEO of The Memo to the page. With wit and candor, she acknowledges "ugly truths" that keep women of color from having a seat at the table in corporate America. Providing straight talk on how to navigate networking, office politics, and money, while showing how to make real change to the system, The Memo offers support and long-overdue advice on how women of color can succeed in their careers.

The Wonder Book of Geometry - David Acheson  
2020-10-14

David Acheson transports us into the world of geometry, one of the oldest branches of mathematics. He describes its history, from ancient Greece to the present day, and its emphasis on proofs. With its elegant deduction and practical applications, he demonstrates how geometry offers the quickest route to the spirit

of mathematics at its best.

**A Quantum Life** - Hakeem Oluseyi 2021  
Prologue -- Ghetto child -- Coming of age in Mississippi -- Historically Black in college -- Stanford starman -- Epilogue.

The Great Mathematical Problems - Ian Stewart  
2013-03-07

There are some mathematical problems whose significance goes beyond the ordinary - like Fermat's Last Theorem or Goldbach's Conjecture - they are the enigmas which define mathematics. The Great Mathematical Problems explains why these problems exist, why they matter, what drives mathematicians to incredible lengths to solve them and where they stand in the context of mathematics and science as a whole. It contains solved problems - like the Poincaré Conjecture, cracked by the eccentric genius Grigori Perelman, who refused academic honours and a million-dollar prize for his work, and ones which, like the Riemann Hypothesis, remain baffling after centuries. Stewart is the

guide to this mysterious and exciting world, showing how modern mathematicians constantly rise to the challenges set by their predecessors, as the great mathematical problems of the past succumb to the new techniques and ideas of the present.

### **Falling Felines and Fundamental Physics -**

Gregory J. Gbur 2019-10-22

How do cats land on their feet? Discover how this question stumped brilliant minds and how its answer helped solve other seemingly impossible puzzles The question of how falling cats land on their feet has long intrigued humans. In this playful and eye-opening history, physicist and cat parent Gregory Gbur explores how attempts to understand the cat-righting reflex have provided crucial insights into puzzles in mathematics, geophysics, neuroscience, and human space exploration. The result is an engaging tumble through physics, physiology, photography, and robotics to uncover, through scientific debate, the secret of the acrobatic

performance known as cat-turning, the cat flip, and the cat twist. Readers learn the solution but also discover that the finer details still inspire heated arguments. As with other cat behavior, the more we investigate, the more surprises we discover.

### **Elementary -** James M. Russell 2019-06-13

The periodic table, created in the early 1860s by Russian chemist Dmitri Mendeleev, marked one of the most extraordinary advances in modern chemistry. This basic visual aid helped scientists to gain a deeper understanding of what chemical elements really were: and, astonishingly, it also correctly predicted the properties of elements that hadn't been discovered at the time. Here, in the authoritative Elementary, James Russell uses his lively, accessible and engaging narrative to tell the story behind all the elements we now know about. From learning about the creation of the first three elements, hydrogen, lithium and helium, in the big bang, through to oxygen and carbon, which sustain life on earth - along with

the many weird and wonderful uses of elements as varied as fluorine, arsenic, krypton and einsteinium - even the most unscientifically minded will be enthralled by this fascinating subject. Russell compellingly details these most basic building blocks of the universe, and the people who identified, isolated and even created them.

*1066 and All that* Walter Carruthers Sellar  
1997-03-01

**Maths on the Back of an Envelope: Clever ways to (roughly) calculate anything** - Rob

Eastaway 2019-09-19

'Another terrific book by Rob Eastaway' SIMON SINGH 'A delightfully accessible guide to how to play with numbers' HANNAH FRY

An Immense World - Ed Yong 2022-06-21

NEW YORK TIMES BESTSELLER • A "thrilling" (The New York Times), "dazzling" (The Wall Street Journal) tour of the radically different ways that animals perceive the world that will

fill you with wonder and forever alter your perspective, by Pulitzer Prize-winning science journalist Ed Yong "One of this year's finest works of narrative nonfiction."—Oprah Daily ONE OF THE TEN BEST BOOKS OF THE YEAR: The Wall Street Journal, The New York Times, Time, Publishers Weekly, BookPage ONE OF THE BEST BOOKS OF THE YEAR: Oprah Daily, The Washington Post, Kirkus Reviews The Earth teems with sights and textures, sounds and vibrations, smells and tastes, electric and magnetic fields. But every kind of animal, including humans, is enclosed within its own unique sensory bubble, perceiving but a tiny sliver of our immense world. In An Immense World, Ed Yong coaxes us beyond the confines of our own senses, allowing us to perceive the skeins of scent, waves of electromagnetism, and pulses of pressure that surround us. We encounter beetles that are drawn to fires, turtles that can track the Earth's magnetic fields, fish that fill rivers with electrical messages, and even

humans who wield sonar like bats. We discover that a crocodile's scaly face is as sensitive as a lover's fingertips, that the eyes of a giant squid evolved to see sparkling whales, that plants thrum with the inaudible songs of courting bugs, and that even simple scallops have complex vision. We learn what bees see in flowers, what songbirds hear in their tunes, and what dogs smell on the street. We listen to stories of pivotal discoveries in the field, while looking ahead at the many mysteries that remain unsolved.

Funny, rigorous, and suffused with the joy of discovery, *An Immense World* takes us on what Marcel Proust called "the only true voyage . . . not to visit strange lands, but to possess other eyes." FINALIST FOR THE KIRKUS PRIZE • FINALIST FOR THE ANDREW CARNEGIE MEDAL

**West by West** - Jonathan Coleman 2011-10-19  
He is one of basketball's towering figures: "Mr. Clutch," who mesmerized his opponents and fans. The coach who began the Lakers'

resurgence in the 1970s. The general manager who helped bring "Showtime" to Los Angeles, creating a championship-winning force that continues to this day. Now, for the first time, the legendary Jerry West tells his story—from his tough childhood in West Virginia, to his unbelievable college success at West Virginia University, his 40-year career with the Los Angeles Lakers, and his relationships with NBA legends like Bill Russell, Wilt Chamberlain, Kareem Abdul-Jabbar, Magic Johnson, Shaquille O'Neal, and Kobe Bryant. Unsparing in its self-assessment and honesty, *West by West* is far more than a sports memoir: it is a profound confession and a magnificent inspiration.

*The Little Raindrop* Joanna Gray 2014-03-04  
From cloud to puddle, and puddle to stream, the *Little Raindrop* is making its way on the remarkable journey that is Earth's water cycle. In this inviting story—illustrated with pastels for a soft, full color—readers are taught about science and nature through a character driven

narrative that leads a little raindrop on a big adventure. With an easy to follow plot that teaches precipitation, water flow, and evaporation, *The Little Raindrop* offers a sweet story full of learning and discovery. Featuring a heartwarming adventure from author Joanna Gray, and beautiful pastel illustrations by Dubravka Kolanovic, *The Little Raindrop* takes readers on a fun and educational ride through the water cycle. This is a wonderful introduction for children ages 3 to 6 about the water cycle. They will instantly connect with the cute, smiling little raindrop as it starts its journey in the clouds. The author gives wonderful, age-appropriate explanations and details about the raindrop's journey from air to pond to stream to ocean and back into the air again, making this a wonderful first introduction to science for preschoolers. Parents will appreciate the

educational value of the book, as will early educational teachers. This is the type of picture book Scholastic Book Clubs and Fairs are wanting and so it should definitely have a great reception in the school and library market, as well as the general trade. Sky Pony Press, with our Good Books, Racehorse and Arcade imprints, is proud to publish a broad range of books for young readers—picture books for small children, chapter books, books for middle grade readers, and novels for young adults. Our list includes bestsellers for children who love to play Minecraft; stories told with LEGO bricks; books that teach lessons about tolerance, patience, and the environment, and much more. While not every title we publish becomes a New York Times bestseller or a national bestseller, we are committed to books on subjects that are sometimes overlooked and to authors whose work might not otherwise find a home.