

The Boy Who Loved Math The Improbable Life Of Paul Erdos

The biography of a mathematical genius. Paul Erdos was the most prolific pure mathematician in history and, arguably, the strangest too. 'A mathematical genius of the first order, Paul Erdos was totally obsessed with his subject -- he thought and wrote mathematics for nineteen hours a day until he died. He travelled constantly, living out of a plastic bag and had no interest in food, sex, companionship, art -- all that is usually indispensable to a human life. Paul Hoffman, in this marvellous biography, gives us a vivid and strangely moving portrait of this singular creature, one that brings out not only Erdos's genius and his oddness, but his warmth and sense of fun, the joyfulness of his strange life.' Oliver Sacks For six decades Erdos had no job, no hobbies, no wife, no home; he never learnt to cook, do laundry, drive a car and died a virgin. Instead he travelled the world with his mother in tow, arriving at the doorstep of esteemed mathematicians declaring 'My brain is open'. He travelled until his death at 83, racing across four continents to prove as many theorems as possible, fuelled by a diet of espresso and amphetamines. With more than 1,500 papers written or co-written, Join Sir Cumference, Lady Di of Ameter, and their son Radius for wordplay, puns, and problem solving in this geometry-packed math adventure. King Arthur was a good ruler, but now he needs a good ruler. What would you do if the neighboring kingdom were threatening war? Naturally, you'd call your strongest and bravest knights together to come up with a solution. But when your conference table causes more problems than the threat of your enemy, you need expert help. Enter Sir Cumference, his wife Lady Di of Ameter, and their son Radius. With the help of the carpenter, Geo of Metry, this sharp-minded team designs the perfect table conducive to discussing the perfect plan for peace. The first in Sir Cumference series, Sir Cumference and the First Round Table makes math fun and accessible for everyone.

An engaging picture book biography of a groundbreaking female mathematician. Emmy Noether is not pretty, quiet or good at housework – all the things a girl of her time is expected to be. What she is, though, is brilliant at math. And when she grows up, she skirts the rules to first study math at a university and then teach it. She also helps to solve of the most pressing mathematical and physics problems of the day. And though she doesn’t get much credit during her lifetime, her discoveries continue to influence how we understand the world today. One of the most influential mathematicians of the twentieth century finally gets her due!

Most people think of mathematicians as solitary, working away in isolation. And, it's true, many of them do. But Paul Erdos never followed the usual path. At the age of four, he could ask you when you were born and then calculate the number of seconds you had been alive in his head. But he didn't learn to butter his own bread until he turned twenty. Instead, he traveled around the world, from one mathematician to the next, collaborating on an astonishing number of publications. With a simple, lyrical text and richly layered illustrations, this is a beautiful introduction to the world of math and a fascinating look at the unique character traits that made "Uncle Paul" a great man. The Boy Who Loved Math by Deborah Heiligman is a Kirkus Reviews Best Book of 2013 and a New York Times Book Review Notable Children's Book of 2013.

Children's Choice Award winner Bethany Barton applies her signature humor to the scariest subject of all: math! Do multiplication tables give you hives? Do you break out in a sweat when you see more than a few numbers hanging out together? Then I'm Trying to Love Math is for you! In her signature hilarious style, Bethany Barton introduces readers to the things (and people) that use math in amazing ways -- like music, and spacecraft, and even baking cookies! This isn't a how-to math book, it's a way to think differently about math as a necessary and cool part of our lives!

The Monster Who Did My Math

How Not to Be Wrong

The Darwins' Leap of Faith

Odd Boy Out

Big Sister, Little Sister

Counting on Katherine: How Katherine Johnson Saved Apollo 13

Traditional Chinese edition of The Boy Who Loved Math: The Improbable Life of Paul Erdos, a New York Times Book Review Notable Children's Book of 2013.

The international best-seller that makes mathematics a thrilling exploration. In twelve dreams, Robert, a boy who hates math, meets a Number Devil, who leads him to discover the amazing world of numbers: infinite numbers, prime numbers, Fibonacci numbers, numbers that magically appear in triangles, and numbers that expand without . As we dream with him, we are taken further and further into mathematical theory, where ideas eventually take flight, until everyone—from those who fumble over fractions to those who solve complex equations in their heads—winds up marveling at what numbers can do. Hans Magnus Enzensberger is a true polymath, the kind of superb intellectual who loves thinking and marshals all of his charm and wit to share his passions with the world. In The Number Devil, he brings together the surreal logic of Alice in Wonderland and the existential geometry of Flatland with the kind of math everyone would love, if only they had a number devil to teach it to them.

Printz Honor Book • YALSA Nonfiction Award Winner • Boston Globe-Horn Book Award Winner • SCBWI Golden Kite Winner • Cybils Senior High Nonfiction Award Winner From the author of National Book Award finalist Charles and Emma comes an incredible story of brotherly love. The deep and enduring friendship between Vincent and Theo Van Gogh shaped both brothers' lives. Confidant, champion, sympathizer, friend—Theo supported Vincent as he struggled to find his path in life. They shared everything, swapping stories of lovers and friends, successes and disappointments, dreams and ambitions. Meticulously researched, drawing on the 658 letters Vincent wrote to Theo during his lifetime, Deborah Heiligman weaves a tale of two lives intertwined and the extraordinary love of the Van Gogh brothers.

"Critically acclaimed and commercially successful, this resource helps parents overcome their residual math anxiety and assists them in showing children how to enjoy the subject and excel at it. Packed with useful information and instruction, the book features proven teaching techniques, games, and other activities. Suitable for home schoolers and other parents of children from preschool to age 10. 2006 edition"-- Hundreds of mathematical events, jokes, riddles, puzzles, investigations and experiments showing maths is relevant and fun.

A Nicaraguan Journey

The Number Devil

Itzhak

The Boy Who Loved Math

A First Book of Algebra

A Story about the Smartest Boy in Math Class

Even though Max has trouble memorizing his multiplication tables and struggles to finished timed tests, he has no difficulty finishing his older brother's algebra homework.

When the teacher tells her class that they can think of almost everything as a math problem, one student acquires a math anxiety which becomes a real curse.

Boo! There is a mystery behind every door of the creepy haunted house. Luckily, algebra will help you solve each problem. By using simple addition, subtraction, multiplication, and division, you'll discover that solving math mysteries isn't scary at all -- it's fun! From Althea Gibson author Megan Reid and rising star artist Aaliya Jaleel, illustrator of Under My Hijab, comes the first picture book about trailblazing mathematician Maryam Mirzakhani, the first woman to win the world's most prestigious honor in mathematics. Perfect for fans of Hidden Figures and Mae Among the Stars. As a little girl, Maryam Mirzakhani was spellbound by stories. She loved reading in Tehran's crowded bookstores, and at home she'd spend hours crafting her own tales on giant rolls of paper. Maryam loved school, especially her classes in reading and writing. But she did not like math. Numbers were nowhere near as interesting as the bold, adventurous characters she found in books. Until Maryam unexpectedly discovered a new genre of storytelling: In geometry, numbers became shapes, each with its own fascinating personality—making every equation a brilliant story waiting to be told. As an adult, Maryam became a professor, inventing new formulas to solve some of math's most complicated puzzles. And she made history by becoming the first woman—and the first Iranian—to win the Fields Medal, mathematics' highest award. Maryam's Magic is the true story of a girl whose creativity and love of stories helped her—and the world—to see math in a new and inspiring way.

The author of Midnight's Children and The Satanic Verses describes his 1986 trip to Nicaragua and shares his impressions of the true Nicaragua—the people, politics, land, poetry, and problems behind the headlines. Reprint.

Math Curse

Bears Make the Best Reading Buddies

I'm Trying to Love Math

The Man who Loved Only Numbers

The Quantum Weirdness of the Almost-Kiss

A math-phobic boy faces another dreaded evening of multiplication when a monster suddenly appears in his room and offers him a deal he cannot refuse. After a quick signature on a contract, the boy's problems are solved, and his homework is ready to turn in the next day. At first, everything adds up perfectly. But when the boy's math knowledge is tested at school, his troubles begin to multiply. What did the fine print on that contract read? "In paragraph seven of clause ninety-three, "If you don't learn anything, do not blame me!" When the bill comes due, will our hero have the money—and the math skills—to subtract that wicked monster from his life once and for all?

Bring math to life with this exciting new math activity book for kids. With 30 activities and crafts that children can play their way through, this kids' book takes the fear out of math--and gives you the skills to become a math expert.

Children will find out that being a mathematician isn't just about scrawling numbers on a dusty chalkboard--it's part of our everyday lives! How to Be a Math Wizard teaches kids to think like math pros as they ask mathematical questions and get hands-on with key math concepts. From calculation and numbers; to space, shape, and measure; all core curriculum math topics are covered in creative and engaging ways. This book invites kids to investigate math in a playful, hands-on way, using things from around the house: find out about perimeter by designing and building a mini house, practice multiplication through a game of bingo, sweeten probability through chocolate, and uncover the mystery of coordinates through a treasure map. If you like solving problems, making things, and learning facts, then this is the book for you, mathematician!

The true story of eighteenth-century mathematician Sophie Germain, who solved the unsolvable to achieve her dream. When her parents took away her candles to keep their young daughter from studying math...nothing stopped Sophie. When a professor discovered that the homework sent to him under a male pen name came from a woman...nothing stopped Sophie. And when she tackled a math problem that male scholars said would be impossible to solve...still, nothing stopped Sophie. For six years Sophie Germain used her love of math and her undeniable determination to test equations that would predict patterns of vibrations. She eventually became the first woman to win a grand prize from France's prestigious Academy of Sciences for her formula, which laid the groundwork for much of modern architecture (and can be seen in the book's illustrations). Award-winning author Cheryl Bardoe's inspiring and poetic text is brought to life by acclaimed artist Barbara McClintock's intricate pen-and-ink, watercolor, and collage illustrations in this true story about a woman who let nothing stop her.

Math makes the world go around. An educational book that will give you surprising answers to everyday math challenges. This ebook unpacks how math is an essential part of our everyday life in ways that you never thought of. Full of crazy facts, magic tricks, and mathematical brainteasers and beautiful illustrations show you that math is interesting, fun, and not intimidating at all! Ever wondered where math originated from? This fantastic educational ebook unpacks all the curious questions that your child has about math including intriguing historical stories that explore the often-surprising origins of math that we use in our daily lives. Learn about how the formation of number sequences began, to the origins of trigonometry, and find out how to become a trillionaire! Math in our daily lives is used in many things that might not even seem that obvious. Math Controls Just About Everything Inspire your children with numbers and help bring mathematical explanations to life with this engaging educational book. Expand their knowledge in the complexity of understanding math by using simple illustrative examples. To make these topics more exciting and impactful, the ebook is full of great puzzles, awesome games, and interesting facts that will break barriers in their understanding. "Try it out!" examples give mathematical explanations that are simple and easy to grasp. What's The Point Of Math? will not only change your child's perception of numbers but give them the skills and understanding to apply the principles in their everyday life! This educational ebook explains the point of: - Numbers and counting - Shapes and measuring - Patterns and sequences - Probability and logic - Data and statistics

Learn at home with help from The Wonder Years/Hallmark actress, math whiz, and New York Times bestselling author Danica McKellar using her acclaimed McKellar Math books! Bathtime will be squeaky clean and sneaky smart fun in this original board book that gives your toddler a head start on learning math, all as part of your daily at-home routine! Take one messy baby, two busy feet, three rambunctious friends, four wayward ducks, and five floaty bubbles--and get a tubful of fun as one family's bathtime routine turns into a nightly ritual they can "count on"! Danica McKellar uses her proven math success to show children that math is all around us as she cleverly introduces the early addition concept of "counting on"--the idea that when we add 1, we can get the answer by simply counting on to the next number. This next book in the McKellar Math line shows that even washing your hair can be full of math fun!

Girls Who Loved Math

Blockhead

The Improbable Life of Paul Erdos

Sir Cumference and the First Round Table

The Power of Mathematical Thinking

Charles and Emma

When I looked up, I shivered. How many stars were in the sky? A million? A billion? Maybe the number was as big as infinity. I started to feel very, very small. How could I even think about something as big as infinity? Uma can't help feeling small when she peers up at the night sky. She begins to wonder about infinity. Is infinity a number that grows forever? Is it an endless racetrack? Could infinity be in an ice cream cone? Uma soon finds that the ways to think about this big idea may just be . . . infinite.

"Witty, compelling, and just plain fun to read . . ." —Evelyn Lamb, Scientific American The Freakonomics of math—a math-world superstar unveils the hidden beauty and logic of the world and puts its power in our hands The math we learn in school can seem like a dull set of rules, laid down by the ancients and not to be questioned. In How Not to Be Wrong, Jordan Ellenberg shows us how terribly limiting this view is: Math isn't confined to abstract incidents that never occur in real life, but rather touches everything we do—the whole world is shot through with it. Math allows us to see the hidden structures underneath the messy and chaotic surface of our world. It's a science of not being wrong, hammered out by centuries of hard work and argument. Armed with the tools of mathematics, we can see through to the true meaning of information we take for granted: How early should you get to the airport? What does "public opinion" really represent? Why do tall parents have shorter children? Who really won Florida in 2000? And how likely are you, really, to develop cancer? How Not to Be Wrong presents the surprising revelations behind all of these questions and many more, using the mathematician's method of analyzing life and exposing the hard-won insights of the academic community to the layman—minus the jargon. Ellenberg chases mathematical threads through a vast range of time and space, from the everyday to the cosmic, encountering, among other things, baseball, Reaganomics, daring lottery schemes, Voltaire, the replicability crisis in psychology, Italian Renaissance painting, artificial languages, the development of non-Euclidean geometry, the coming obesity apocalypse, Antonin Scalia's views on crime and punishment, the psychology of slime molds, what Facebook can and can't figure out about you, and the existence of God. Ellenberg pulls from history as well as from the latest theoretical developments to provide those not trained in math with the knowledge they need. Math, as Ellenberg says, is "an atomic-powered prosthesis that you attach to your common sense, vastly multiplying its reach and strength." With the tools of mathematics in hand, you can understand the world in a deeper, more meaningful way. How Not to Be Wrong will show you how.

All the students in the class are assigned reading buddies, except for Adelaide. She already has one, a bear! And Adelaide is quite persuasive as she explains to her language arts teacher, Mrs. Fitz-Pea, and the reader, that bears really do make the best reading buddies: they sniff out good books and their claws are just right for turning pages. And the bear looks rather friendly (and studious) in these crayon-bright, contemporary illustrations, making this is must-read picture book for story time! The Capstone Interactive edition comes with simultaneous access for every student in your school and includes read aloud audio recorded by professional voice over artists.

NEW YORK TIMES bestselling author Greg Tang takes on the times tables, teaching kids innovative ways to multiply numbers and derive answers WITHOUT memorization. Four is very fast to do when you multiply by 2. Here's a little good advice -- please just always double twice! BEST OF TIMES gives kids an intuitive understanding of multiplication, encouraging them to arrive at answers on their own rather than memorizing the times tables. A child who can multiply by two, for instance, can multiply by four and even eight! Likewise, times six builds on times two and times three.With his common-sense approach, Greg Tang encourages kids to solve problems creatively, building both their skills and their confidence.

"Informative, pithy, wry, very readable." —Booklist Learn about seven groundbreaking women in math and science in this gorgeously written biographical novel-in-verse, a companion to Finding Wonders: Three Girls Who Changed Science. After a childhood spent looking up at the stars, Caroline Herschel was the first woman to discover a comet and to earn a salary for scientific research. Florence Nightingale was a trailblazing nurse whose work reformed hospitals and one of the founders of the field of medical statistics. The first female electrical engineer, Hertha Marks Ayrton registered twenty-six patents for her inventions. Marie Tharp helped create the first map of the entire ocean floor, which helped scientists understand our subaquatic world and suggested how the continents shifted. A mathematical prodigy, Katherine Johnson calculated trajectories and launch windows for many NASA projects including the Apollo 11 mission. Edna Lee Paisano, a citizen of the Nez Perce Nation, was the first Native American to work full time for the Census Bureau, overseeing a large increase in American Indian and Alaskan Native representation. And Vera Rubin studied more than two hundred galaxies and found the first strong evidence for dark matter. Told in vibrant, evocative poems, this stunning novel celebrates seven remarkable women who used math as their key to explore the mysteries of the universe and grew up to do innovative work that changed the world.

The Life of Fibonacci

A Boy Who Loved the Violin

Grasping Mysteries

The Jaguar Smile

Bathtime Mathtime

The Bear Who Wasn't There

The Boy Who Loved MathThe Improbable Life of Paul ErdosRoaring Brook

Now in paperback, a heartfelt YA rom-com about smart girls, love-struck boys, and quantum theory Seventeen-year-old Evie Beckham has never been interested in dating. She 's fully occupied by her love of math and her frequent battles with anxiety. Besides, she 's always found the idea of kissing to be kind of weird and pretty unsanitary, when you think about it. But with the help of her therapist and her support system, she 's feeling braver. Maybe even brave enough to enter a prestigious physics competition or to say yes to the new boy who 's been flirting with her. Evie 's best friend, Caleb, has always been a little in love with Evie, and though he knows she isn 't ready for romance, he hopes that when she is, she 'll choose him. So Caleb is horrified when he is forced to witness Evie 's meet-cute with a floppy-haired, mathematically gifted transfer student. In desperation, Caleb decides to use an online forum to capture Evie 's interest. When it goes better than he could 've wished for, he wonders if it 's possible to be jealous of himself. And Evie wonders how she went from eschewing romance to having to choose between two—or is it three?—boys.

Kids can learn basic math concepts while having fun, using this activity-driven book of games and exercises. Includes dice and counter pieces to supplement math play.

This picture-book biography of violin virtuoso Itzhak Perlman will inspire young readers to follow the melody within themselves A 2021 Schneider Family Book Award Young Children Honor Book Before becoming one of the greatest violinists of all time, Itzhak Perlman was simply a boy who loved music. Raised by a poor immigrant family in a tiny Tel Aviv apartment, baby Itzhak was transformed by the sounds from his family 's kitchen radio–graceful classical symphonies, lively klezmer tunes, and soulful cantorial chants. The rich melodies and vibrant rhythms spoke to him like magic, filling his mind with vivid rainbows of color. After begging his parents for an instrument, Itzhak threw his heart and soul into playing the violin. Despite enormous obstacles—including a near-fatal bout of polio that left him crippled for life–Itzhak persevered, honing his extraordinary gift. When he performed on the Ed Sullivan Show sat only 13, audiences around the world were mesmerized by the warmth, joy, and passion in every note. Gorgeously illustrated with extensive back matter, this picture-book biography recounts Itzhak 's childhood journey—from a boy with a dream to an internationally acclaimed violin virtuoso.

When he was born, Albert was a peculiar, fat baby with an unusually big and misshaped head. When he was older, he hit his sister, bothered his teachers, and didn 't have many friends. But in the midst of all of this, Albert was fascinated with solving puzzles and fixing scientific problems. The ideas Albert Einstein came up with during his childhood as an odd boy out were destined to change the way we know and understand the world around us . . .

The Story of Raye Montague

Last to Finish

Mathematicians are People, Too

Young Albert Einstein

The Story of Paul Erdős and the Search for Mathematical Truth

The Best of Times

Growing up in Hungary during WWI, Erdos tried school but chafed at the rules and convinced his mother that he should study at home. He was fascinated by numbers from an early age, and by the time he was 20, he was known as The Magician from Budapest. Unable to do common tasks such as cooking, laundry, or driving, he spent his adult life flying around the world, staying with other mathematicians, and working collaboratively on challenging math problems.

An introduction to the unconventional life of the eminent mathematician describes the phenomenal math talents he demonstrated from an early age while revealing how he was often stymied by everyday tasks. By the National Book Award finalist author of Charles and Emma.

Charles Darwin published The Origin of Species, his revolutionary tract on evolution and the fundamental ideas involved, in 1859. Nearly 150 years later, the theory of evolution continues to create tension between the scientific and religious communities. Challenges about teaching the theory of evolution in schools occur annually all over the country. This same debate raged within Darwin himself, and played an important part in his marriage: his wife, Emma, was quite religious, and her faith gave Charles a lot to think about as he worked on a theory that continues to spark intense debates. Deborah Heiligman's new biography of Charles Darwin is a thought-provoking account of the man behind evolutionary theory: how his personal life affected his work and vice versa. The end result is an engaging exploration of history, science, and religion for young readers. Charles and Emma is a 2009 National Book Award Finalist for Young People's Literature.

Uses flaps and pull-tabs to reinforce such mathematical concepts as shapes, fractions, and multiplication.

Looks at the history of mathematical discoveries and the lives of great mathematicians.

A Mathematical Adventure

The Boy who Loved Math

How to Be a Math Wizard

Amazing Visual Math

The I Hate Mathematics! Book

The Girl with a Mind for Math

Meet Raye Montague?the hidden mastermind who made waves in the U.S. Navy! After touring a German submarine in the early 1940s, young Raye set her sights on becoming an engineer. Little did she know sexism and racial inequality would challenge that dream every step of the way, even keeping her greatest career accomplishment a secret for decades. Through it all, the gifted mathematician persisted?finally gaining her well-deserved title in history: a pioneer who changed the course of ship design forever. The Girl With a Mind for Math: The Story of Raye Montague is the third book in a riveting educational series about the inspiring lives of amazing scientists. In addition to the illustrated rhyming tale, you'll find a complete biography, fun facts, a colorful timeline of events, and even a note from Montague herself! Big Sister always gets to do things first, but Little Sister can do things just as well.

A biography of Leonardo Fibonacci, the 12th century mathematician who discovered the numerical sequence named for him.

This book is about Bear... so what happens when he doesn't show up on his page? Who will find him? Will it be Giraffe, who himself seems to always be in the wrong place at the wrong time, or Cow, or perhaps even the author herself? One thing's for sure--it probably won't be Duck. Duck doesn't seem concerned that Bear is missing. In fact, he seems to be trying to steal the show for himself! Duck would much prefer that the reader pick up his own book, The Duck Who Showed Up. He even disguises himself as Bear in an attempt to fool the reader. But after pages and pages of Duck's antics and search-party chaos, Bear appears somewhere utterly unexpected. In fact, it looks like someone may have tried to get rid of him on purpose.... LeUyen Pham's The Bear Who Wasn't There takes readers a hilarious search for the missing title character.

"Combining mathematical rigor with light romance, Math Girls is a unique introduction to advanced mathematics, delivered through the eyes of three students as they learn to deal with problems seldom found in textbooks."--Front flap.

The Story of Unshakable Mathematician Sophie Germain

Infinity and Me

Vincent and Theo

The Van Gogh Brothers

How to Help Your Child Love Math, Even If You Don't

What's the Point of Math?

The bold story of Katherine Johnson, an African-American mathematician who worked for NASA during the space race and was depicted in the film Hidden Figures. You've likely heard of the historic Apollo 13 moon landing. But do you know about the mathematical genius who made sure that Apollo 13 returned safely home? As a child, Katherine Johnson loved to count. She counted the steps on the road, the number of dishes and spoons she washed in the kitchen sink, everything! Boundless, curious, and excited by calculations, young Katherine longed to know as much as she could about math, about the universe. From Katherine's early beginnings as a gifted student to her heroic accomplishments as a prominent mathematician at NASA, Counting on Katherine is the story of a groundbreaking American woman who not only calculated the course of moon landings but, in turn, saved lives and made enormous contributions to history. Christy Ottaviano Books

Mystery Math

Math Girls

Stories from the Lives of Great Mathematicians

The Most Important Mathematician You've Never Heard Of

Nothing Stopped Sophie

Emmy Noether