

Good Math A Geeks Guide To The Beauty Of Numbers Logic And Computation Mark C Chu Carroll

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In "Kids Game," a group of underserved teenagers go on a hunt to harvest wildlife for their families. Reel South's Heather Leighton sits down with the film's director, Michiel Thomas.

'Kids Game' Creator Michiel Thomas Shares His Filmmaking Insights

Join us, as we decipher chronograph scales. What are they? How do they work? How can I use them? Never wonder again!

How Watches Work: Our Definitive Guide to Chronograph Scales

About a half a minute left in the game and Aaron Rodgers drives all the way down the field. Rodgers to Jared Cook for the win. A beautiful finish to a very good game. My wife and I attended the game ...

Inbox: A beautiful finish to a very good game

The good news is that ... included in every math chapter. The cover of this book itself states " higher score guaranteed " — what more could you ask for? This guide is particularly reader ...

The 10 Best ACT Test Prep Books of 2021

Air Assault School is known as the Army's "10 toughest days." The three phases of training are combat assault, sling-load operations, and rappelling. All students must first survive the physically ...

How Air Assault soldiers are trained in a course known as the Army's '10 toughest days'

The underperformance then fed the anxiety, causing the student to feel they were not good at math, ultimately hating ... Many resources are available to guide you. Lastly, because you ' re an ...

Hate Math? Your Retirement Could Be at Risk

Through all the twists and turns of her 21-year career, there ' s one thing Sophie Monk can ' t seem to escape: reality TV.

Sophie Monk on Beauty and the Geek, wedding plans and why there won ' t be a Bardot reunion

In this special report on getting better internet for less money, Consumer Reports shows you how to improve your internet service without busting your budget. Plus, what CR is doing to get everyone ...

CR's Guide to Getting Better Internet Without Busting Your Budget

I'm good ... math a lot, " said Zandra. She ' s hoping to meet her future parents soon. " I'm looking for a loving, caring family, one that will support my goal no matter what it is. And I'm looking for a ...

Zandra, who's been waiting to be adopted since 2016, says: 'I ' m looking for a loving, caring family.'

Even leaders of the National Council of Teachers of Mathematics have reservations about the guide — though their reasons differ ... " to pick this up and do what ' s good for kids. " ...

Advocates for Math Equity Question Whether Being Right is Sometimes Wrong

Yes, these services can save you more money than legitimate cord-cutting options, but they also have significant downsides beyond the obvious legal risks and moral quandaries. Before going down that ...

When the cost of cord-cutting sounds too good to be true, it probably is

The annual Miss Geek Africa competition ... Technology, Engineering and Mathematics (STEM) subjects and ultimately pursue careers in the male dominated fields. The idea is to inspire girls ...

Africa: Miss Geek Africa Returns in September

The key for advisers is to find a balance of freedoms where they maintain the maximum freedom that enables them to focus on their purpose.

Balancing freedoms makes you a better adviser, happier person

Redistricting can get messy, especially when politics get involved, and partisans are in charge of drawing the maps. North Carolina ' s 2010 redistricting process is a case in point. Maps drawn by the ...

Redistricting doesn ' t have to mean gerrymandering. A Duke math professor breaks it down

Parents wanting to get their kids into college may end up paying a lot for tutors, sports and music lessons, but there are shortcuts ...

How much does it cost to get your kid into college? It could be a whole lot

Not sure what a fringe benefit is—or whether it ' s taxable? Here ' s your quick guide to some popular fringe benefits offered by employers.

When Free Isn ' t Free: Your Guide to Fringe Benefits at Work

When it comes to custom search engines on Chrome, I don't joke, I don't mess around. It is a Very Serious Topic™ that comes up ...

11 tips to become a Chrome custom search engine jedi

Serving in the Civil Air Patrol ' s National Capitol Wing, which encompasses the Washington, D.C. area, is a Courtney family affair.

Fort Meade: Diversity and service is a Courtney family affair | COMMENTARY

All are indulging their inner science geek, heady at the prospect of witnessing ... engineering, and mathematics (STEM). Specialist science teachers work with PLC Sydney girls from kindergarten.

Schools chase the X-factor that gives them the edge

The annual Miss Geek Africa competition, a platform that showcases innovative ... The competition seeks to inspire young girls to take up Science, Technology, Engineering and Mathematics (STEM) ...

Mathematics is beautiful—and it can be fun and exciting as well as practical. Good Math is your guide to some of the most intriguing topics from two thousand years of mathematics: from Egyptian fractions to Turing machines; from the real meaning of numbers to proof trees, group symmetry, and mechanical computation. If you've ever wondered what lay beyond the proofs you struggled to complete in high school geometry, or what limits the capabilities of computer on your desk, this is the book for you. Why do Roman numerals persist? How do we know that some infinities are larger than others? And how can we know for certain a program will ever finish? In this fast-paced tour of modern and not-so-modern math, computer scientist Mark Chu-Carroll explores some of the greatest breakthroughs and disappointments of more than two thousand years of mathematical thought. There is joy and beauty in mathematics, and in more than two dozen essays drawn from his popular "Good Math" blog, you'll find concepts, proofs, and examples that are often surprising, counterintuitive, or just plain weird. Mark begins his journey with the basics of numbers, with an entertaining trip through the integers and the natural, rational, irrational, and transcendental numbers. The voyage continues with a look at some of the oddest numbers in mathematics, including zero, the golden ratio, imaginary numbers, Roman numerals, and Egyptian and continuing fractions. After a deep dive into modern logic, including an introduction to linear logic and the logic-savvy Prolog language, the trip concludes with a tour of modern set theory and the advances and paradoxes of modern mechanical computing. If your high school or college math courses left you grasping for the inner meaning behind the numbers, Mark's book will both entertain and enlighten you.

The new "sine" of mathematical geekdom! Do you dream about long division in your sleep? Does the thought of solving abstruse equations bring a smile to your face? Do you love celebrating pi every March? Then, Math Geek was made for you! With this guide, you'll learn even more about the power of numbers as you explore their brilliant nature in ways you've never imagined. From manhole covers to bubbles to subway maps, each page gives you a glimpse of the world through renowned mathematicians' eyes and reveals how their theorems and equations can be applied to nearly everything you encounter. Covering dozens of your favorite math topics, you'll find fascinating answers to questions like: How are the waiting times for buses determined? Why is Romanesco Broccoli so mesmerizing? How do you divide a cake evenly? Should you run or walk to avoid rain showers? Filled with compelling mathematical explanations, Math Geek sheds light on the incredible world of numbers hidden deep within your day-to-day life.

What others in the trenches say about The Pragmatic Programmer... " The cool thing about this book is that it ' s great for keeping the programming process fresh. The book helps you to continue to grow and clearly comes from people who have been there. " —Kent Beck, author of Extreme Programming Explained: Embrace Change " I found this book to be a great mix of solid advice and wonderful analogies! " —Martin Fowler, author of Refactoring and UML Distilled " I would buy a copy, read it twice, then tell all my colleagues to run out and grab a copy. This is a book I would never loan because I would worry about it being lost. " —Kevin Ruland, Management Science, MSG-Logistics " The wisdom and practical experience of the authors is obvious. The topics presented are relevant and useful.... By far its greatest strength for me has been the outstanding analogies—tracer bullets, broken windows, and the fabulous helicopter-based explanation of the need for orthogonality, especially in a crisis situation. I have little doubt that this book will eventually become an excellent source of useful information for journeymen programmers and expert mentors alike. " —John Lakos, author of Large-Scale C++ Software Design " This is the sort of book I will buy a dozen copies of when it comes out so I can give it to my clients. " —Eric Vought, Software Engineer " Most modern books on software development fail to cover the basics of what makes a great software developer, instead spending their time on syntax or technology where in reality the greatest leverage possible for any software team is in having talented developers who really know their craft well. An excellent book. " —Pete McBreen, Independent Consultant " Since reading this book, I have implemented many of the practical suggestions and tips it contains. Across the board, they have saved my company time and money while helping me get my job done quicker! This should be a desktop reference for everyone who works with code for a living. " —Jared Richardson, Senior Software Developer, iRenaissance, Inc. " I would like to see this issued to every new employee at my company.... " —Chris Cleeland, Senior Software Engineer, Object Computing, Inc. " If I ' m putting together a project, it ' s the authors of this book that I want. . . . And failing that I ' d settle for people who ' ve read their book. " —Ward Cunningham Straight from the programming trenches, The Pragmatic Programmer cuts through the increasing specialization and technicalities of modern software development to examine the core process—taking a requirement and producing working, maintainable code that delights its users. It covers topics ranging from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse. Read this book, and you'll learn how to Fight software rot; Avoid the trap of duplicating knowledge; Write flexible, dynamic, and adaptable code; Avoid programming by coincidence; Bullet-proof your code with contracts, assertions, and exceptions; Capture real requirements; Test ruthlessly and effectively; Delight your users; Build teams of pragmatic programmers; and Make your developments more precise with automation. Written as a series of self-contained sections and filled with entertaining anecdotes, thoughtful examples, and interesting analogies, The Pragmatic Programmer illustrates the best practices and major pitfalls of many different aspects of software development. Whether you're a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you'll quickly see improvements in personal productivity, accuracy, and job satisfaction. You'll learn skills and develop habits and attitudes that form the foundation for long-term success in your career. You'll become a Pragmatic Programmer.

Geek out with Mother Nature! There is much more to gardening than what you've learned in school. With Gardening for Geeks, you'll examine your ecosystem and discover how you can create the right environment for your plants. From analyzing meteorological patterns in order to plan productive beds to experimenting with the carbon and nitrogen levels in your soil, this book will teach you all about the developments and chemical reactions that occur at each phase of growth and how you can alter your planting techniques to construct the most thriving, productive garden possible. Each chapter also utilizes a wide range of inexpensive tests, gadgets, and methods that you can use to help evaluate, monitor, and enhance your plot. Complete with troubleshooting solutions and useful charts and graphs, Gardening for Geeks has everything you need to establish a beautiful and sustainable vegetable patch—one microclimate at a time!

This book ' s author, Byron Love, admits proudly to being an IT geek. However, he had found that being an IT geek was limiting his career path and his effectiveness. During a career of more than 31 years, he has made the transition from geek to geek leader. He hopes this book helps other geeks do the same. This book addresses leadership issues in the IT industry to help IT practitioners lead from the lowest level. Unlike other leadership books that provide a one-size-fits-all approach to leadership, this book focuses on the unique challenges that IT practitioners face. IT project managers may manage processes and technologies, but people must be led. The IT industry attracts people who think in logical ways—analytical types who have a propensity to place more emphasis on tasks and technology than on people. This has led to leadership challenges such as poor communication, poor relationship management, and poor stakeholder engagement. Critical IT projects and programs have failed because IT leaders neglect the people component of "people, process, and technology." Communications skills are key to leadership. This book features an in-depth discussion of the communications cycle and emotional intelligence, providing geek leaders with tools to improve their understanding of others and to help others understand them. To transform a geek into a geek leader, this book also discusses: Self-leadership skills so geek leaders know how to lead others by leading themselves first Followership and how to cultivate it among team members How a geek leader ' s ability to navigate disparate social styles leads to greater credibility and influence Integrating leadership into project management processes The book concludes with a case study to show how to put leadership principles and practices into action and how an IT geek can transform into an effective IT geek leader.

Prime Obsession taught us not to be afraid to put the math in a math book. Unknown Quantity heeds the lesson well. So grab your graphing calculators, slip out the slide rules, and buckle up! John Derbyshire is introducing us to algebra through the ages-and it promises to be just what his die-hard fans have been waiting for. "Here is the story of algebra." With this deceptively simple introduction, we begin our journey. Flanked by formulae, shadowed by roots and radicals, escorted by an expert who navigates unerringly on our behalf, we are guaranteed safe passage through even the most treacherous mathematical terrain. Our first encounter with algebraic arithmetic takes us back 38 centuries to the time of Abraham and Isaac, Jacob and Joseph, Ur and Haran, Sodom and Gomorrah. Moving deftly from Abel's proof to the higher levels of abstraction developed by Galois, we are eventually introduced to what algebraists have been focusing on during the last century. As we travel through the ages, it becomes apparent that the invention of algebra was more than the start of a specific discipline of mathematics-it was also the birth of a new way of thinking that clarified both basic numeric concepts as well as our perception of the world around us. Algebraists broke new ground when they discarded the simple search for solutions to equations and concentrated instead on abstract groups. This dramatic shift in thinking revolutionized mathematics. Written for those among us who are unencumbered by a fear of formulae, Unknown Quantity delivers on its promise to present a history of algebra. Astonishing in its bold presentation of the math and graced with narrative authority, our journey through the world of algebra is at once intellectually satisfying and pleasantly challenging.

In How Math Explains the World, mathematician Stein reveals how seemingly arcane mathematical investigations and discoveries have led to bigger, more world-shaking insights into the nature of our world. In the four main sections of the book, Stein tells the stories of the mathematical thinkers who discerned some of the most fundamental aspects of our universe. From their successes and failures, delusions, and even duels, the trajectories of their innovations—and their impact on society—are traced in this fascinating narrative. Quantum mechanics, space-time, chaos theory and the workings of complex systems, and the impossibility of a "perfect" democracy are all here. Stein's book is both mind-bending and practical, as he explains the best way for a salesman to plan a trip, examines why any thought you could have is imbedded in the number p , and—perhaps most importantly—answers one of the modern world's toughest questions: why the garage can never get your car repaired on time. Friendly, entertaining, and fun, How Math Explains the World is the first book by one of California's most popular math teachers, a veteran of both "math for poets" and Princeton's Institute for Advanced Studies. And it's perfect for any reader wanting to know how math makes both science and the world tick.

From Emily Calandrelli—host of Xploration Outer Space, correspondent on Bill Nye Saves the World, and graduate of MIT—comes the first novel in a brand-new chapter book series about an eight-year-old girl with a knack for science, math, and solving mysteries with technology. Ada Lace—third-grade scientist and inventor extraordinaire—has discovered something awful: her neighbor ' s beloved Yorkie has been dognapped! With the assistance of a quirky neighbor named Nina (who is convinced an alien took the doggie) and her ever-growing collection of gadgets, Ada sets out to find the wrongdoer. As their investigation becomes more and more mysterious, Ada and Nina grow closer, proving that opposites do, in fact, attract.

TUNE IN. TURN ON. GEEK OUT. Sorry, beautiful people. These days, from government to business to technology to Hollywood, geeks rule the world. Finally, here ' s the book no self-respecting geek can live without—a guide jam-packed with 314.1516 short entries both useful and fun. Science, pop-culture trivia, paper airplanes, and pure geekish nostalgia coexist as happily in these pages as they do in their natural habitat of the geek brain. In short, dear geek, here you ' ll find everything you need to achieve nirvana. And here, for you pathetic nongeeks, is the last chance to save yourselves: Love this book, live this book, and you too can join us in the experience of total world domination. • become a sudoku god • brew your own beer • build a laser beam • classify all living things • clone your pet • exorcise demons • find the world ' s best corn mazes • grasp the theory of relativity • have sex on Second Life • injure a fish • join the Knights Templar • kick ass with sweet martial-arts moves • learn ludicrous emoticons • master the Ocarina of Time • pimp your cubicle • program a remote control • quote He-Man and Che Guevara • solve fiendish logic puzzles • touch Carl Sagan • unmask Linus Torvalds • visit Beaver Lick, Kentucky • win bar bets • write your name in Elvish Join us or die, you will. Begun, the Geek Wars have