

Read Book The Book Of Perfectly Perilous Math
24 Death Defying Challenges For Young
Mathematicians Irresponsible Science

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Sean Connolly's bestselling "genius at work" series gets it's "T!" STEM, standing for Science, Technology, Engineering, and Mathematics, refers to the core non-humanities subjects that are so critical to contemporary education. And now, after covering everything but the technology, this master of fun, messy, possibly risky and compelling interactive science experiments explores twenty-seven key areas in current and near-future tech. Author of The Book of Totally Irresponsible Science, The Book of Massively Epic Engineering Disasters, and, most recently, The Book of Ingeniously Daring Chemistry Sean Connolly delves into the fascinating and potentially scary world of driverless cars, artificial intelligence, robots and androids, smart clothing, the "internet of things," test-tube meat, the space elevator, and more. Through cool illustrations, quick definitions, illustrated panels, and Connolly's clear and always-lively writing, readers learn what each breakthrough means; how it has or will

improve our lives; what other technologies are related to it; and what the terrifyingly awesome potential risks are. (3D printing? What happens when someone bad “prints” a weapon?) And to make the learning hands-on, each chapter includes an experiment to help understand the underlying principles of these incredibly complicated developments: Use milk jugs and balloons to test solar power. Food dye and water to understand genome technology. A paper airplane to gain insight into drones. Two boards and two friends to replicate the force of a powered exoskeleton. It’s science, down to a T.

Take a ride through 26 fully illustrated search and find spreads, each one themed on a number. Count the animals going into Noah's Ark two-by-two, spot 13 scary skeletons at the haunted house on Halloween and visit Farm Fifteen where everything from one scarecrow through to 15 apples need to be found. Allan Sanders' weird and wonderful drawings are packed full of funny things to spot and plenty of Where's Waldo style humour, making this the best way to learn your 1, 2, 3s... Fan favorite Captain Raptor returns for another thrilling space adventure in this action-packed young nod to graphic novels. In their newest endeavor, intrepid leader

Captain Raptor and his space-dino crew must rescue a team of scientists from a doomed planet--while evading flaming asteroids, predatory beasts, and a volcano about to blow. Could this be the end of Captain Raptor? Old fans and new will be drawn to the mix of dinosaurs, space, and science-fiction parody. "Kudos to this prehistoric Buzz Lightyear...long may he sail the spaceways"—Kirkus Reviews, STARRED REVIEW

It should have been a celebration party, but now it's another mind-bending mission for Reynie, Kate, Sticky and Constance. Join them as they race across the globe by train, ship and bicycle to save their beloved Mr Benedict!

54 All-Star Experiments

Perilous Obsession

The Ballad of Perilous Graves

The Perilous Public Square

Structural Threats to Free Expression Today

A Perfect Bind

Did you know that the Pilgrims ate popcorn at the first Thanksgiving? Or that Maine is the toothpick capital of the world, or that frogs have teeth? Do you want to know what a cockroach's favorite food is, or how long it would take to drive to the sun? Amaze your friends and family by telling them that a baby giraffe is six feet long when it is born, or that tigers have striped skin! From the creators of The Book of Useless Information, this is an amazing collection of the

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wildest, oddest, funniest facts about history, science, food, animals, and more!

My name is Alice Long, and I've always known I was different. When I was little I used to climb up to the highest branches of the housetree at night, and watch the starships docking at the orbital stations high above. Forty meters off the ground, watching ships thirty thousand kilometers overhead, with senses that could pick out radar pings and comm chatter as easily as the ships themselves. It all seemed perfectly natural at the time. There were other kids with mods at the orphanage, but nothing like that. I learned fast to downplay my abilities, keep my mouth shut and try to blend in. Even as a kid I knew not to trust the Matrons. What would they do, if they realized the Adjustments that were supposed to make me a meek little herd animal didn't do anything? Then I messed up, and gave myself away. Now I'm on the run, hoping against hope that the Matrons won't try too hard to find me. Hoping to survive all the awful things that can happen to a girl on her own in space. Kidnappers, slavers, pirates and yakuza - no matter where I go, trouble always seems to find me. Good thing I'm not as helpless as I look.

"Effervescent and sparkling like Champagne ... " -

DearAuthor.com For writer Jade Yeo, the Roaring Twenties are coming in with more of a purr -- until she pillories London's best-known author in a scathing review. Sebastian Hardie is tall, dark and handsome -- and more intrigued than annoyed. Jade is irresistibly drawn to the prospect of adventure he offers. But if she succumbs to temptation, she risks losing her hard-won freedom -- and her best chance for love. The Perilous Life of Jade Yeo is a 23,000-word historical romance novella.

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New York Times Book Review Editors' Choice An unsettling journey into the disaster-bound American food system, and an exploration of possible solutions, from leading food politics commentator and former farmer Tom Philpott. More than a decade after Michael Pollan's game-changing *The Omnivore's Dilemma* transformed the conversation about what we eat, a combination of global diet trends and corporate interests have put American agriculture into a state of "quiet emergency," from dangerous drought in California--which grows more than 50 percent of the fruits and vegetables we eat--to catastrophic topsoil loss in the "breadbasket" heartland of the United States. Whether or not we take heed, these urgent crises of industrial agriculture will define our future. In *Perilous Bounty*, veteran journalist and former farmer Tom Philpott explores and exposes the small handful of seed and pesticide corporations, investment funds, and magnates who benefit from the trends that imperil us, with on-the-ground dispatches featuring the scientists documenting the damage and the farmers and activists who are valiantly and inventively pushing back. Resource scarcity looms on the horizon, but rather than pointing us toward an inevitable doomsday, Philpott shows how the entire wayward ship of American agriculture could be routed away from its path to disaster. He profiles the farmers and communities in the nation's two key growing regions developing resilient, soil-building, water-smart farming practices, and readying for the climate shocks that are already upon us; and he explains how we can help move these methods from the margins to the mainstream.

Perilous Waif

Perilous Problems for Puzzle Lovers

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Mathematicians Irresponsible Science

A Perilous Perspective

Perilous Trust

The Perilous Gard

Americans of all political persuasions fear that “free speech” is under attack. This may seem strange at a time when legal protections for free expression remain strong and overt government censorship minimal. Yet a range of political, economic, social, and technological developments have raised profound challenges for how we manage speech. New threats to political discourse are mounting—from the rise of authoritarian populism and national security secrecy to the decline of print journalism and public trust in experts to the “fake news,” trolling, and increasingly subtle modes of surveillance made possible by digital technologies. The Perilous Public Square brings together leading thinkers to identify and investigate today’s multifaceted threats to free expression. They go beyond the campus and the courthouse to pinpoint key structural changes in the means of mass communication and forms of global capitalism. Beginning with Tim Wu’s inquiry into whether the First Amendment is obsolete, Matthew Connelly, Jack Goldsmith, Kate Klonick, Frederick Schauer, Olivier Sylvain, and Heather Whitney explore ways to address these dangers and preserve the essential features of a healthy democracy. Their conversations with other leading thinkers, including Danielle Keats Citron, Jelani Cobb, Frank Pasquale, Geoffrey R. Stone, Rebecca Tushnet, and Kirsten Weld, cross the disciplinary boundaries of First Amendment law, internet law, media policy, journalism, legal history,

and legal theory, offering fresh perspectives on fortifying the speech system and reinvigorating the public square.

The second book in the new adventure trilogy from the beloved author of *The Hero's Guide to Saving Your Kingdom*. It's 1883—only a few months after Molly Pepper; her mother, Cassandra; and her friend, Emmett, saved New York from an attack by the megalomaniacal Ambrose Rector while managing to preserve the reputations of Alexander Graham Bell and Thomas Edison, whose technology was manipulated in Rector's scheme. Their selfless heroism will finally earn them a place in the Inventors' Guild, alongside the greatest minds of their generation. Unless, of course, no one knows that they did any of that. Left with nothing but empty promises and a struggling pickle shop after the government chooses to cover up the crisis, Molly, Cassandra, and Emmett have no idea where to turn—until they learn of a daring expedition to the South Pole, where an meteorite of mysterious power is embedded, and where Emmett's father, explorer and ship captain Wendell Lee, disappeared years ago. With the fate of the world hanging in the balance, our heroes commandeer an experimental seacraft to make their play on the pole. But the trip is more treacherous than they realize, and there's no guarantee that they will return successful—if they even return at all.

When reporter Macy Moran becomes consumed with solving a cold case, will her quest for the truth bring her closer to Detective Beck Ramsey or will her obsession with finding a murderer rob her of a chance at true love?

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**Workman
Publishing Company**

The Questioners Book #2

**A Perilous Journey of Danger and Mayhem #2: The
Treachorous Seas**

Search and Find

A Number of Numbers

The Alchemist's Illusion

Revised Core Rulebook

In a rousing account of one of the critical turning points in American history, *Through the Perilous Fight* tells the gripping story of the burning of Washington and the improbable last stand at Baltimore that helped save the nation and inspired its National Anthem. In the summer of 1814, the United States of America teetered on the brink of disaster. The war it had declared against Great Britain two years earlier appeared headed toward inglorious American defeat. The young nation's most implacable nemesis, the ruthless British Admiral George Cockburn, launched an invasion of Washington in a daring attempt to decapitate the government and crush the American spirit. The British succeeded spectacularly, burning down most of the city's landmarks—including the White House and the Capitol—and driving President James Madison from the area. As looters ransacked federal buildings and panic gripped the citizens of Washington, beleaguered American forces were forced to regroup for a last-ditch defense of Baltimore. The outcome of that "perilous fight" would help change the outcome of the war—and with it, the fate of the fledgling American republic. In a fast-paced, character-driven narrative, Steve Vogel tells the story of this titanic struggle from the perspective of both sides. Like an epic novel, *Through the Perilous Fight* abounds with heroes, villains, and astounding feats of derring-do. The vindictive Cockburn emerges from these pages as a

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pioneer in the art of total warfare, ordering his men to “knock down, burn, and destroy” everything in their path. While President Madison dithers on how to protect the capital, Secretary of State James Monroe personally organizes the American defenses, with disastrous results. Meanwhile, a prominent Washington lawyer named Francis Scott Key embarks on a mission of mercy to negotiate the release of an American prisoner. His journey will place him with the British fleet during the climactic Battle for Baltimore, and culminate in the creation of one of the most enduring compositions in the annals of patriotic song: “The Star-Spangled Banner.” Like Pearl Harbor or 9/11, the burning of Washington was a devastating national tragedy that ultimately united America and renewed its sense of purpose. Through the Perilous Fight combines bravura storytelling with brilliantly rendered character sketches to recreate the thrilling six-week period when Americans rallied from the ashes to overcome their oldest adversary—and win themselves a new birth of freedom. Praise for Through the Perilous Fight “Very fine storytelling, impeccably researched . . . brings to life the fraught events of 1814 with compelling and convincing vigor.”—Rick Atkinson, Pulitzer Prize-winning author of *An Army at Dawn* “Probably the best piece of military history that I have read or reviewed in the past five years. . . . This well-researched and superbly written history has all the trappings of a good novel. . . . No one who hears the national anthem at a ballgame will ever think of it the same way after reading this book.”—Gary Anderson, *The Washington Times* “[Steve] Vogel does a superb job. . . . [A] fast paced narrative with lively vignettes.”—Joyce Appleby, *The Washington Post* “Before 9/11 was 1814, the year the enemy burned the nation’s capital. . . . A splendid account of the uncertainty, the peril, and the valor of those days.”—Richard Brookhiser, author of *James Madison* “A swift, vibrant account of the accidents, intricacies and insanities of war.”—Kirkus

Read Book The Book Of Perfectly Perilous Math 24 Death Defying Challenges For Young Mathematicians Irresponsible Science Reviews

125 exquisitely agonizing puzzles of every kind (math, logic, word, and more) put readers' brainpower—and survival instincts—to the test!

In 1558 while imprisoned in a remote castle, a young girl becomes involved in a series of events that leads to an underground labyrinth peopled by the last practitioners of druidic magic.

All Eris wants is a love match... Miss Eris Tumilson longs for a love match. Unfortunately, being a wallflower who spends most of her time reading and doing embroidery isn't the kind of thing that attracts gentlemen. But, at long last, the spinster gets her chance. Her brother arranges a marriage for her with the Duke of Jowett. When her new husband dies on their wedding night, her hopes are dashed. There will be no love match.

There's not even the prospect of a child on the way. Though a widow, she might as well still be a spinster. Then Mr. Charles Duff comes along to visit her, and something begins to stir up within her that she was determined to put behind her once and for all: the desire for a love match. All Charles wants is to prove his friend was murdered... Charles would rather focus on his investments than take a wife. But when his friend dies on his wedding night, he knows it's not from natural causes. His friend was murdered. And he's sure Eris did it. The problem? He has to prove it since no one believes him. So he comes up with a plan to make Eris believe he's fallen in love with her. Little does he realize that as soon as he steps through the doorway of her townhouse, he'll start to discover that this shy wallflower is a hidden gem among ladies...and it'll be difficult to tell the difference between pretending to be in love and really being in love. *Charles originally showed up in Kidnapping the Viscount. Eris originally showed up in The Reclusive Earl.

Desperate Passage

Perfect

Read Book The Book Of Perfectly Perilous Math 24 Death Defying Challenges For Young Mathematicians Irresponsible Science Hearts

Science, Politics, and the Human Costs of Defeating Disease
The Mayflower

24 Experiments for Young Scientists

From Sean Connolly, the master of messy and dangerous (and therefore extra-fun) science, a collection of more than 20 hands-on experiments that are like an interactive journey through the periodic table of elements. In this introduction to chemistry for STEM-curious kids ages 9 and up, each chapter of *The Book of Ingeniously Daring Chemistry* focuses on a single element—its properties, how it was discovered, and even its potential danger level. Easy-to-follow experiments help readers put their newfound knowledge into action. All that's needed is a sense of adventure and some items from around the house. Make your own fossil with silicon. Use a pinhead and measure 166 feet of string for a mind-boggling insight into how a hydrogen atom is built. Discover oxygen and oxygenation by slicing an apple and seeing what happens an hour later. Harness the power of zinc with a potato clock. And enjoy a special hands-off feature about the "Dirty Dozen"—those nasty elements, from arsenic to plutonium, that can wreak havoc wherever they appear (there are no experiments using these chemicals). Matter really matters, and now you'll really understand why.

"A wild and wonderful debut, teeming with music, family and art...This book is gorgeously written, with

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Mathematicians Irresponsible Science

prose I wanted to eat off the page." —New York Times Music is magic in this vibrant and imaginative debut novel set in a fantastical version of New Orleans where a battle for the city's soul brews between two young mages, a vengeful wraith, and one powerful song. Nola is a city full of wonders. A place of sky trolleys and dead cabs, where haints dance the night away and Wise Women help keep the order. To those from Away, Nola might seem strange. To Perilous Graves, it's simply home. In a world of everyday miracles, Perry might not have a talent for magic, but he does know Nola's rhythm as intimately as his own heartbeat. So when the city's Great Magician starts appearing in odd places and essential songs are forgotten, Perry realizes trouble is afoot. Nine songs of power have escaped from the piano that maintains the city's beat, and without them, Nola will fail. Unwilling to watch his home be destroyed, Perry will sacrifice everything to save it. But a storm is brewing, and the Haint of All Haints is awake. Nola's time might be coming to an end. Put on your dancing shoes and enjoy this song for New Orleans, the city of music, magic, and dreams. "A beautiful song full of magic and rhythm, darkness and delight." —Christina Henry "A hallucinatory wonder of a debut. Brimming with language and music, this phantasmagoric novel taps the deep root of multi-cultural, multi-racial life in, and beyond, New Orleans." —Walter Mosley "Funny, wild, witty, and profound. The Ballad of Perilous Graves is

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Mathematicians Irresponsible Science

the debut of a cosmic storm of talent.”—Victor LaValle
Librarian Tru Beckett, ardent defender of the printed word, is about to find out that keeping murder checked out of her beloved library is much harder than she thought... Tru Beckett succeeded in building a secret book room in her now bookless library, where book lovers from lovely Cypress, South Carolina, can rejoice in the printed word. Now she's working hard to maintain the little library downstairs while keeping her "real job" upstairs in the bookless technology center. The last thing she needs is a mysterious vandal who seems intent on breaking into her secret book-filled sanctuary and creating chaos. The nasty interloper doesn't steal anything, but brutalizes the books, damaging them and knocking them off shelves. A patron of the secret book room tells Tru that there have been creepy goings-on at the library for years, especially in the basement where the secret book room is located. He's heard rumors of a poltergeist that haunts the library, determined to scare off readers. Tru is certain it's hogwash, but she's at a loss to think of who might be vandalizing the beautiful books she fought so hard to protect. And when a dead body shows up right behind the library, Tru is certain that it's not a ghost but a cold-blooded killer that she and her trusty tabby Dewey Decimal will need to uncover.

Why does a knuckleball flutter? Why do belly flops hurt so much? Why would a quarterback prefer a

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Mathematicians Irresponsible Science

deflated football? Here are 54 all-star experiments that demonstrate the scientific principles powering a wide variety of sports and activities—and offer insights that can help you improve your own athletic skills. How does a black belt karate chop her way through a stack of bricks? Use Popsicle sticks to understand why it's possible and learn the role played by Newton's second law of motion. Does LeBron James really float through the air on the way to a dunk? Use a tennis ball, a paperback book, and the help of a friend to understand the science of momentum and the real meaning of hang time. Using common household objects, each project includes step-by-step instructions, tips, and a detailed explanation of how and why the experiment worked. It's a win-win. The thrill of victory, the agony of defeat—it's all in the science.

Tales from the Perilous Realm

Britain in a Perilous World

The Perilous Life of Jade Yeo

The Totally Awesome Book of Useless Information

Six Weeks That Saved the Nation

The Book of Wildly Spectacular Sports Science

You loved the bestselling picture books starring Rosie Revere, Ada Twist, and Iggy Peck. Now you can follow The Questioners' further adventures in all-new chapter books! Don't miss the first instant New York Times bestselling volume, Rosie Revere and the Raucous Riveters. In Ada Twist and the Perilous Pants, Ada must

rely on her curious mind, her brave spirit, and her best pals Rosie Revere and Iggy Peck to solve a mystery in her own backyard. Ada Twist is full of questions. A scientist to her very core, Ada asks why again and again. One question always leads to another until she's off on a journey of discovery! When Rosie Revere's Uncle Ned gets a little carried away wearing his famous helium pants, it's up to Ada and friends to chase him down. As Uncle Ned floats farther and farther away, Ada starts asking lots of questions: How high can a balloon float? Is it possible for Uncle Ned to float into outer space? And what's the best plan for getting him down? Collect them all! Add these other STEM favorites from #1 New York Times bestselling team Andrea Beaty and David Roberts to your family library today! Rosie Revere, Engineer Ada Twist, Scientist Iggy Peck, Architect Rosie Revere and the Raucous Riveters Ada Twist's Big Project Book for Stellar Scientists Iggy Peck's Big Project Book for Amazing Architects Rosie Revere's Big Project Book for Bold Engineers The Questioners Family Calendar, coming May 2019!

Never before published in a single volume, Tolkien's four novellas ("Farmer Giles of Ham, Leaf by Niggle, Smith of Wootton Major," and "Roverandom") and one book of poems ("The Adventures of Tom Bombadil") are gathered together in a fully illustrated set.

Drawing on fresh archeological evidence, recent research on topics ranging from survival rates to snowfall totals, and heartbreaking letters and

diaries made public by descendants a century-and-a-half after the tragedy, Ethan Rarick offers an intimate portrait of the Donner party--ninety pioneers who became stranded in the Sierra Nevada mountains in the winter of 1846-47--and their unimaginable ordeal.

"London, 1887. Victorian adventuress and butterfly hunter Veronica Speedwell receives an invitation to visit the Curiosity Club, a ladies-only establishment for daring and intrepid women. There she meets the mysterious Lady Sundridge, who begs her to take on an impossible task saving society art patron Miles Ramsforth from execution. Accused of the brutal murder of his artist mistress Artemisia, Ramsforth will face the hangman's noose in a week's time if Veronica cannot find the real killer. But Lady Sundridge is not all that she seems, and unmasking her true identity is only the first of the many secrets Veronica must uncover. Together with her natural historian colleague Stoker, Veronica races against time to find the true murderer--a ruthless villain who not only took Artemisia's life in cold blood but is happy to see Ramsforth hang for the crime. From a Bohemian artists' colony to a royal palace to a subterranean grotto with a decadent history, the investigation proves to be a very perilous undertaking indeed"--

The Race to Measure the Heavens

24 Death-Defying Challenges for Young Mathematicians

Captain Raptor and the Perilous Planet

The Mysterious Benedict Society and the

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24 Death Defying Challenges For Young
Mathematicians Irresponsible Science

Perilous Journey

The Strategic Defence and Security Review We Need

The Donner Party's Perilous Journey West

The British government periodically publishes a Strategic Defence and Security Review, an appraisal of the armed forces that seeks to understand and prepare for the defense challenges that lie ahead. This report is often controversial—the 2010 review, for example, made headlines for all the wrong reasons, as major defense projects such as the NIMROD aircraft were discontinued at huge cost, while other projects were maintained only because they were too expensive to abandon. In advance of the 2015 Strategic Defence and Security Review, Jonathan Shaw argues persuasively for the need to rethink how governments and Whitehall devise their strategies and reach crucial decisions. Beginning with the review's often imprecise use of language, Shaw challenges the assumptions that underlie the British government's current practices. Ultimately, he suggests how Whitehall can improve its approaches and, equally important, its credibility. You travel with Jon, who lives in 1976. When his mind is in the sleep-state, the forces of the future world reach out to

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him and show him how things can be. Go with him on his perilous adventure--a mind-expanding exodus from the imperfect today into a better tomorrow. Discover the beauty and the emotional demands such a journey can bring. Explore the system of thought and action that can be achieved in the Macro world. This is a novel you can't put down--a philosophy you can begin living with now.

After her father's death under mysterious circumstances, Sophie Parker must team up with FBI agent Damon Wolfe and go on the run to clear her father's reputation and protect his fellow agents from harm.

Math rocks! At least it does in the gifted hands of Sean Connolly, who blends middle school math with fantasy to create an exciting adventure in problem-solving.

These word problems are perilous, do-or-die scenarios of blood-sucking vampires (How many months would it take a single vampire to completely take over a town of 500,000 people?), or a rowboat of 5 shipwrecked sailors with a single barrel of freshwater (How much can they drink, and for how long, before they go mad from thirst???). Each problem requires readers to dig deep into the tools they're learning in school to figure out how to survive. Kids will love solving these

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problems. Sean Connolly knows how to make tough subjects exciting and he brings that same intuitive understanding of what inspires and challenges kids' curiosity to the 24 problems in *The Book of Perfectly Perilous Math*. These problems are as fun to read as they are challenging to solve. They test readers on fractions, algebra, geometry, probability, expressions and equations, and more. Use geometry to fill in for the ship's navigator and make it safely to the New World. Escape an evil Duke's executioner by picking the right door—probability will save your neck.

64 Daring Experiments for Young Scientists

A Perilous Undertaking

The Book of Ingeniously Daring Chemistry

The perilous voyage that changed the world

ZWEIHANDER Grim & Perilous RPG

"A real jewel of science history...brims with suspense and now-forgotten catastrophe and intrigue...Wadman's smooth prose calmly spins a surpassingly complicated story into a real tour de force."—The New York Times "Riveting . . . [The Vaccine Race] invites comparison with Rebecca Skloot's 2007 *The Immortal Life of Henrietta Lacks*."—Nature The epic and controversial story of a major breakthrough in cell biology that led to the conquest of rubella and other devastating diseases. Until the late 1960s, tens of thousands of American

children suffered crippling birth defects if their mothers had been exposed to rubella, popularly known as German measles, while pregnant; there was no vaccine and little understanding of how the disease devastated fetuses. In June 1962, a young biologist in Philadelphia, using tissue extracted from an aborted fetus from Sweden, produced safe, clean cells that allowed the creation of vaccines against rubella and other common childhood diseases. Two years later, in the midst of a devastating German measles epidemic, his colleague developed the vaccine that would one day wipe out homegrown rubella. The rubella vaccine and others made with those fetal cells have protected more than 150 million people in the United States, the vast majority of them preschoolers. The new cells and the method of making them also led to vaccines that have protected billions of people around the world from polio, rabies, chicken pox, measles, hepatitis A, shingles and adenovirus. Meredith Wadman's masterful account recovers not only the science of this urgent race, but also the political roadblocks that nearly stopped the scientists. She describes the terrible dilemmas of pregnant women exposed to German measles and recounts testing on infants, prisoners, orphans, and the intellectually disabled, which was common in the era. These events take place at the dawn of the battle over using human fetal tissue in research, during the arrival of big commerce in campus labs, and as huge changes take place in the laws and

practices governing who “owns” research cells and the profits made from biological inventions. It is also the story of yet one more unrecognized woman whose cells have been used to save countless lives. With another frightening virus--measles--on the rise today, no medical story could have more human drama, impact, or urgency than *The Vaccine Race*. It’s hands-on science with a capital “E”—for engineering. Beginning with the toppling of the Colossus of Rhodes, one of the seven wonders of the ancient world, to the destructive, laserlike sunbeams bouncing off London’s infamous “Fryscraper” in 2013, here is an illustrated tour of the greatest engineering disasters in history, from the bestselling author of *The Book of Totally Irresponsible Science*. Each engineering disaster includes a simple, exciting experiment or two using everyday household items to explain the underlying science and put learning into action. Understand the Titanic’s demise by sinking an ice-cube-tray ocean liner in the bathtub. Stomp on a tube of toothpaste to demonstrate what happens to non-Newtonian fluids under pressure—and how a ruptured tank sent a tsunami of molasses through the streets of Boston in 1919. From why the Leaning Tower of Pisa leans to the fatal design flaw in the Sherman tank, here’s a book of science at its most riveting. Powered by HTML, this Zweihander eBook edition is published with a nuanced reflowable document layout. It includes: Reflowable text and images
Sidebar navigation via device contents Hyperlinked

Table of Contents and Index for fast, easy searches
Hyperlinked cross-references throughout the book
Tap and zoom illustrations This digital format differs from standard fixed layouts and PDFs. We highly suggest users download a sample before purchasing.

WELCOME TO GRIM & PERILOUS GAMING Featured on Forbes.com, ranked one of the best-selling fantasy tabletop role-playing games at DriveThruRPG, and having sold over 90,000 copies worldwide, ZWEIHÄNDER Grim & Perilous RPG is a bloodier, grimmer, and grittier version of classical tabletop role-playing games. This revised edition is published in celebration with Andrews McMeel Publishing and features a refreshed layout, new artwork, rules clarifications, color plates by Dejan Mandic, and errata. ZWEIHÄNDER Grim & Perilous RPG is a game where your characters will: Live in a gritty, "realistic" fantasy world Make morally grey decisions & enact vicious reprisals Uncover insidious plots & political intrigue Take part in heart-pumping chase scenes Venture into the wilderness & survive its perils Desperately fight in clandestine & open field combat Defend themselves from injuries, madness, & mutations Encounter sanity-blasting creatures & their minions Using the Powered By ZWEIHÄNDER d100 game engine, you will create grim characters, write perilous adventures, and build your own low fantasy & dark fantasy campaigns. These rules are a perfect fit for Renaissance and medieval-styled adventures, too. You can also use this book to create your own home-

brewed worlds, whether inspired by the works of Andrzej Sapkowski's *The Witcher*, George R.R. Martin's *Game of Thrones*, Glen Cook's *Black Company*, Myke Cole's *The Armored Saint*, Robert E. Howard's *Solomon Kane*, Scott Lynch's *Gentlemen Bastard* series, or other "grimdark"-inspired media. This all-in-one game includes most of what you need to play: a character creation guide, game mastery rules, and a bestiary brimming with creatures both fair & foul. All that's left are a few friends, pencils, and a handful of dice.

ZWEIHÄNDER Grim & Perilous RPG awaits, and the fate of your grim & perilous tale hangs in the balance!

The award-winning author of *The Brother Gardeners* chronicles the 18th-century quest to observe the transit of Venus and measure the solar system, explaining the political strife and weather challenges that were overcome to enable an international team of astronomers to work together. 30,000 first printing.

Perilous Bounty

27 Experiments for Young Scientists

Ada Twist and the Perilous Pants

33 Thrilling Experiments Based on History's Greatest Blunders

The Book of Massively Epic Engineering Disasters
The Vaccine Race

Depicting with humor and insight the pressure to be outwardly perfect, this novel for ages 10-13 shows how one girl develops compassion for her own and others' imperfections. For 13-year-

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old Isabelle Lee, whose father has recently died, everything's normal on the outside. Isabelle describes the scene at school with bemused accuracy--the self-important (but really not bad) English teacher, the boy that is constantly fixated on Ashley Barnum, the prettiest girl in class, and the dynamics of the lunchroom, where tables are turf in a all-eyes-open awareness of everybody's relative social position. But everything is not normal, really. Since the death of her father, Isabelle's family has only functioned on the surface. Her mother, who used to take care of herself, now wears only lumpy, ill-fitting clothes, cries all night, and has taken every picture of her dead husband and put them under her bed. Isabelle tries to make light of this, but the underlying tension is expressed in overeating and then binging. As the novel opens, Isabelle's little sister, April, has told their mother about Isabelle's problem. Isabelle is enrolled in group therapy. Who should show up there, too, but Ashley Barnum, the prettiest, most together girl in class.

It ' s never been more important to engage a child's scientific curiosity, and Sean Connolly knows just how to do it—with lively, hands-on, seemingly "dangerous" experiments that pop, ooze, crash, and teach! Now, the author of *The Book of Totally Irresponsible Science*, takes it one step further: He leads kids through the history of science, and then creates amazing yet simple experiments that demonstrate key scientific principles. Tame fire just like a Neanderthal with the Fahrenheit 451 experiment. Round up all your friends and track the spread of "disease" using body glitter with an experiment inspired by Edward Jenner, the vaccination pioneer who's credited with saving more lives than any other person in history. Rediscover the wheel and axle with the ancient Sumerians, and perform an astounding experiment demonstrating the theory of angular momentum. Build a simple telescope—just like Galileo's—and find the four moons he discovered orbiting Jupiter (an act that helped land him in prison). Take a less potentially catastrophic approach to electricity than Ben Franklin did with the Lightning Mouth experiment. Re-create the

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Hadron Collider in a microwave with marshmallows, calculator, and a ruler—it won't jeopardize Earth with a simulated Big Bang, but will demonstrate the speed of light. And it's tasty! By letting kids stand on the shoulders of Aristotle, Newton, Einstein, the Wright brothers, Marie Curie, Darwin, Watson and Crick, and more, *The Book of Potentially Catastrophic Science* is an uncommonly engaging guide to science, and the great stories of the men and women behind the science.

Iolanthe and Titus continue their mission to defeat the Bane in this striking sequel to *The Burning Sky*—perfect for fans of Cinda Williams Chima and Kristin Cashore—which Publishers Weekly called "a wonderfully satisfying magical saga" in a starred review and Kirkus Reviews said "bids fair to be the next big epic fantasy success." After spending the summer away from each other, Titus and Iolanthe (still disguised as Archer Fairfax) are eager to return to Eton College to resume their training to fight the Bane. Although no longer bound to Titus by blood oath, Iolanthe is more committed than ever to fulfilling her destiny—especially with the agents of Atlantis quickly closing in. Soon after arriving at school, though, Titus makes a shocking discovery, one that throws into question everything he believed about their mission. Faced with this revelation, Iolanthe struggles to come to terms with her new role, while Titus must choose between following his mother's prophecies—or forging a divergent path to an unknowable future.

The Anthony Award-winning fourth book in the *Accidental Alchemist Mystery Series* by USA Today bestselling author Gigi Pandian. A perilous painting leads Zoe Faust and Dorian Robert-Houdin on an alchemical adventure in Portland, Oregon, in search of Zoe's missing mentor—Nicolas Flamel. Centuries-old alchemist Zoe Faust is tired of running from her past. She's finally got her life on track in Portland, Oregon, gardening and cooking in her fixer-upper house with her mischievous best friend, Dorian, the gargoyle chef. It seems like the perfect life for Zoe—until she discovers that Nicolas Flamel is missing. A mystery from 16th

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Century Prague may hold the key. Can Zoe find the art forger who holds the secret of what has become of her missing mentor? Includes recipes! Praise Winner of the Anthony Award for Best Paperback Original Shortlisted for the G.P. Putnam's Sons Sue Grafton Memorial Award "The Alchemist ' s Illusion is filled with beauty... Pandian paints a lovely picture of relationships throughout the book's mystery of greed and violence." —New York Journal of Books "Surprising plot twists, several cliffhangers, and vivid magical imagery will keep fans of paranormal cozies turning the pages." —Publishers Weekly "Sparkles most when it stays true to the wonder of its magical subject." —Foreword Reviews

A Perilous Marriage (a hero pretends to be in love with the heroine Regency romance)

2150 A. D.

Math, Logic & Word Puzzles to Challenge Your Brain

50 Experiments for Daring Young Scientists

The Book of Totally Irresponsible Science

The Book of Potentially Catastrophic Science

When Penelope the Fox drops her heart into the sea, she's swept off on a perilous journey dodging sharks and royal cat-guards, until a cartwheeling chicken leads her to the garden of lost things. Young readers will fall in love with Thereza Rowe's bold and playful designs. This tale of heartache, friendship and adventures will dazzle readers with its exotic settings and animals, and as they follow Penelope (and her heart!), they will learn what is truly precious.

Discover the real history behind the Mayflower in this illustrated nonfiction storybook for kids

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Mathematicians Irresponsible Science

ages 7 to 9, timed to coincide with the 400th anniversary of the Pilgrims' famous voyage to the Americas. Step on board the Mayflower and meet the amazing crew and passengers, from burly sailors to pilgrims, servants, orphaned children, and animals. Discover who the pilgrims were and why they chose to risk their lives to make the treacherous journey across the Atlantic, relive the ferocious storms as the Mayflower crested gigantic waves, find out what life was really like on board for the 102 passengers, and discover the secret history of the second ship, the Speedwell. Learn the real story of the Pilgrims' fateful landing on the shores of what is now Massachusetts. What happened when they met the tribes native to the area and how much truth is there in the Thanksgiving legend? Discover the hardships faced by the Pilgrims on their quest for a new life, and appreciate the sad reality of what happened in the devastating winter that followed their long and dangerous voyage. Beautifully illustrated with incredible cutaway diagrams of the ship, comprehensive maps, storylike narrative, and detailed timelines, this ebook brings the history of the Mayflower to life for a whole new generation. This stunning ebook makes the perfect gift to commemorate one

of the most famous adventures in history in what will be an important year of remembrance.

An all-new historical mystery in this USA Today bestselling series featuring beloved inquiry agents Lady Kiera Darby and her dashing husband, Sebastian Gage. Argyll, Scotland. July 1832. After a trying few months in Edinburgh, Kiera and her husband and investigative partner, Sebastian Gage, are eager to escape to the Highlands with their three-month-old child. Kiera is overjoyed for her cousin Rye and her detractor-turned-friend Charlotte who are being wed in a private ceremony at the estate of Rye's great-uncle, the Marquess of Barbreck, in what seems to be the perfect wedding party. But when Kiera is invited to peruse Barbreck's extensive art collection, she is disturbed to discover that one of his most priceless paintings seems to be a forgery. The marquess's furious reaction when she dares to mention it leaves her shaken and the entire house shocked. For it turns out that this is not the first time the word forgery has been uttered in connection with the Barbreck household. Matters turn more ominous when a maid from a neighboring estate is found murdered where the forged painting hangs. Is

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24 Death Defying Challenges For Young
Mathematicians Irresponsible Science

her death connected to the forgeries, perhaps a grisly warning of what awaits those who dare to probe deeper? With unknown entities aligned against them, Kiera and Gage are forced to confront the fact that they may have underestimated their opponent. For they are swiftly made to realize that Charlotte's and Rye's future happiness is not the only issue at stake, and this stealthy game of cat and mouse could prove to have deadly consequences.

What could be more fun for kids than to have the kind of rip-roaring good time that harkens back to pre-video game, pre-computer days? Introducing 64 valuable science experiments that snap, crackle, pop, ooze, crash, boom, and stink! From Marshmallows on Steroids to Home-Made Lightning, the Sandwich Bag Bomb to Giant Air Cannon, *The Book of Totally Irresponsible Science* awakens kids' curiosity while demonstrating scientific principles like osmosis, air pressure, and Newton's Third Law of Motion. Kids will love performing these experiments, which use common household ingredients and equipment, in front of an audience or for themselves (though many require adult supervision). Entries are categorized into seven chapters according to scientific theme and are written in a simple-to-

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24 Death Defying Challenges For Young
Mathematicians Irresponsible Science

follow recipe format. each includes a detailed explanation of the scientific principle involved and a "Take Care!" section with special tips. The book's design and illustrations recall the pulp fiction look of science magazines from the days when space travel was still considered sci-fi, while the author's voice is wry and a bit conspiratorial. He assumes his readers are clever and never coddles them. Drop Mentos into a bottle of diet soda and stand back as a geyser erupts! Launch a rocket made from a film canister! Encase your little brother in a giant soap bubble! For young scientists—and the young at heart—this book is a blast. Literally.

Through the Perilous Fight

The Perilous Sea

The Looming Collapse of American Farming
and How We Can Prevent It

The Book of Terrifyingly Awesome Technology
Chasing Venus