

Headstrong 52 Women Who Changed Science And The World

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Under a Wild Sky - William Souder
2014-07-21

In this Pulitzer Prize-finalist biography, the author of *Mad at the World* examines the little-known life of the man behind the well-known bird survey. John James Audubon is renowned for his masterpiece of natural history and art, *The Birds of America*, the first nearly comprehensive survey of the continent's birdlife. And yet few people understand, and many assume incorrectly, what sort of man he was. How did the illegitimate son of a French sea captain living in Haiti, who lied both about his parentage and his training, rise to become one of the greatest natural historians ever and the greatest name in ornithology? In *Under a Wild Sky* this Pulitzer Prize finalist, William Souder reveals that Audubon did not only compose the most famous depictions of birds the world has ever seen, but he also composed a brilliant mythology of self. In this dazzling work of biography, Souder charts the life of a driven man who, despite all odds, became the historical figure we know today. "A meticulous biography and a fascinating portrait of a young nation."—San Francisco Chronicle "As richly endowed and densely packed as the forests of Audubon's day."—Minneapolis Star-Tribune "Deftly weaves together the story of the self-taught artist and naturalist...with the development of

scientific inquiry in the early years of the republic and the lives of ordinary Americans as the new nation spilled westward over the mountains from the Eastern seaboard."—Los Angeles Times

Beautiful Idiots and Brilliant Lunatics - Rob Baker 2015-11-15

London's forgotten scandals, secrets and personalities from the twentieth century, told by the writer of the popular blog *Another Nickel in the Machine*.

Can You Count in Greek? - Judy Leimbach 2005-01-01

Discovering the way people in ancient cultures conducted their lives is fascinating for young people, and learning how these people counted and calculated is a part of understanding these cultures. This book offers a concise, but thorough, introduction to ancient number systems. Students won't just learn to count like the ancient Greeks; they'll learn about the number systems of the Mayans, Babylonians, Egyptians, Romans, and Hindu-Arabic cultures, and also about quinary and binary systems. Symbols and rules regarding the use of the symbols in each number system are introduced and demonstrated with examples. Activity pages provide problems for the students to apply their understanding of each system. *Can You Count in Greek?* is a great resource for math, as well as a supplement for social studies units on ancient civilizations. This

valuable resource builds understanding of place value, number theory, and reasoning. It includes everything you need to easily incorporate these units in math or social studies classes. Whether you use all of the units or a selected few, your students will gain a better understanding and appreciation of our number system.

Lise Meitner - Ruth Lewin Sime 1996
Traces the life of a Jewish physicist who had to flee Nazi Germany, codiscovered nuclear fission with Otto Hahn and Fritz Strassmann, but was denied recognition when the work received a Nobel Prize

On a Farther Shore - William Souder 2013-09-03

A New York Times Notable Book of 2012
Rachel Carson loved the ocean and wrote three books about its mysteries. But it was with her fourth book, *Silent Spring*, that this unassuming biologist transformed our relationship with the natural world. *Silent Spring* was a chilling indictment of DDT and other pesticides that until then had been hailed as safe and wondrously effective. It was Carson who sifted through all the evidence, documenting with alarming clarity the collateral damage to fish, birds, and other wildlife; revealing the effects of these new chemicals to be lasting, widespread, and lethal. *Silent Spring* shocked the public and forced the government to take action, despite a withering attack on Carson from the chemicals industry. It awakened the world to the heedless contamination of the environment and eventually led to the establishment of the EPA and to the banning of DDT. By drawing frightening parallels between dangerous chemicals and the then-pervasive fallout from nuclear testing, Carson opened a fault line between the gentle ideal of conservation and the more urgent new concept of environmentalism. Elegantly written and meticulously researched, *On a Farther Shore* reveals a shy yet passionate woman more at home in the natural world than in the literary one that embraced her. William Souder also writes sensitively of Carson's

romantic friendship with Dorothy Freeman, and of Carson's death from cancer in 1964. This extraordinary new biography captures the essence of one of the great reformers of the twentieth century.

Figuring - Maria Popova 2019-02-05
Figuring explores the complexities of love and the human search for truth and meaning through the interconnected lives of several historical figures across four centuries—beginning with the astronomer Johannes Kepler, who discovered the laws of planetary motion, and ending with the marine biologist and author Rachel Carson, who catalyzed the environmental movement. Stretching between these figures is a cast of artists, writers, and scientists—mostly women, mostly queer—whose public contribution have risen out of their unclassifiable and often heartbreaking private relationships to change the way we understand, experience, and appreciate the universe. Among them are the astronomer Maria Mitchell, who paved the way for women in science; the sculptor Harriet Hosmer, who did the same in art; the journalist and literary critic Margaret Fuller, who sparked the feminist movement; and the poet Emily Dickinson. Emanating from these lives are larger questions about the measure of a good life and what it means to leave a lasting mark of betterment on an imperfect world: Are achievement and acclaim enough for happiness? Is genius? Is love? Weaving through the narrative is a set of peripheral figures—Ralph Waldo Emerson, Charles Darwin, Elizabeth Barrett Browning, Herman Melville, Frederick Douglass, Nathaniel Hawthorne, and Walt Whitman—and a tapestry of themes spanning music, feminism, the history of science, the rise and decline of religion, and how the intersection of astronomy, poetry, and Transcendentalist philosophy fomented the environmental movement.

Chanakya Neeti Hindi - Chanakya 2014-07-08

Headstrong - 2015

The Only Woman in the Room - Eileen Pollack 2016-09-06

ONE OF WASHINGTON POST'S NOTABLE NONFICTION BOOKS OF THE YEAR

"Beautifully written and full of important insights," this is a bracingly honest exploration of why there are still so few women in the hard sciences, mathematics, engineering, and computer science (Washington Post) In 2005, when Lawrence Summers, then president of Harvard, asked why so few women, even today, achieve tenured positions in the hard sciences, Eileen Pollack set out to find the answer. A successful fiction writer, Pollack had grown up in the 1960s and '70s dreaming of a career as a theoretical astrophysicist. Denied the chance to take advanced courses in science and math, she nonetheless made her way to Yale. There, despite finding herself far behind the men in her classes, she went on to graduate summa cum laude, with honors, as one of the university's first two women to earn a bachelor of science degree in physics. And yet, isolated, lacking in confidence, starved for encouragement, she abandoned her ambition to become a physicist. Years later, spurred by the suggestion that innate differences in scientific and mathematical aptitude might account for the dearth of tenured female faculty at Summer's institution, Pollack thought back on her own experiences and wondered what, if anything, had changed in the intervening decades. Based on six years interviewing her former teachers and classmates, as well as dozens of other women who had dropped out before completing their degrees in science or found their careers less rewarding than they had hoped, *The Only Woman in the Room* is a bracingly honest, no-holds-barred examination of the social, interpersonal, and institutional barriers confronting women—and minorities—in the STEM fields. This frankly personal and informed book reflects on women's experiences in a way that simple data can't, documenting not only the more blatant bias of another era but all the subtle disincentives women in the

sciences still face. *The Only Woman in the Room* shows us the struggles women in the sciences have been hesitant to admit, and provides hope for changing attitudes and behaviors in ways that could bring far more women into fields in which even today they remain seriously underrepresented.

We Could Not Fail - Richard Paul 2015-05-01

The Space Age began just as the struggle for civil rights forced Americans to confront the long and bitter legacy of slavery, discrimination, and violence against African Americans. Presidents John F. Kennedy and Lyndon Johnson utilized the space program as an agent for social change, using federal equal employment opportunity laws to open workplaces at NASA and NASA contractors to African Americans while creating thousands of research and technology jobs in the Deep South to ameliorate poverty. *We Could Not Fail* tells the inspiring, largely unknown story of how shooting for the stars helped to overcome segregation on earth. Richard Paul and Steven Moss profile ten pioneer African American space workers whose stories illustrate the role NASA and the space program played in promoting civil rights. They recount how these technicians, mathematicians, engineers, and an astronaut candidate surmounted barriers to move, in some cases literally, from the cotton fields to the launching pad. The authors vividly describe what it was like to be the sole African American in a NASA work group and how these brave and determined men also helped to transform Southern society by integrating colleges, patenting new inventions, holding elective office, and reviving and governing defunct towns. Adding new names to the roster of civil rights heroes and a new chapter to the story of space exploration, *We Could Not Fail* demonstrates how African Americans broke the color barrier by competing successfully at the highest level of American intellectual and technological achievement.

The Boy Who Harnessed the Wind - William Kamkwamba 2015-02-05

Now a Netflix film starring and directed by Chiwetel Ejiofor, this is a gripping memoir of survival and perseverance about the heroic young inventor who brought electricity to his Malawian village. When a terrible drought struck William Kamkwamba's tiny village in Malawi, his family lost all of the season's crops, leaving them with nothing to eat and nothing to sell. William began to explore science books in his village library, looking for a solution. There, he came up with the idea that would change his family's life forever: he could build a windmill. Made out of scrap metal and old bicycle parts, William's windmill brought electricity to his home and helped his family pump the water they needed to farm the land. Retold for a younger audience, this exciting memoir shows how, even in a desperate situation, one boy's brilliant idea can light up the world. Complete with photographs, illustrations, and an epilogue that will bring readers up to date on William's story, this is the perfect edition to read and share with the whole family.

Forgotten Women: The Leaders - Zing Tsjeng 2018-02-08
FREE SAMPLER 'To say this series is "empowering" doesn't do it justice. Buy a copy for your daughters, sisters, mums, aunts and nieces - just make sure you buy a copy for your sons, brothers, dads, uncles and nephews, too.' - indy100
The women who shaped and were erased from our history. The Forgotten Women series will uncover the lost histories of the influential women who have refused over hundreds of years to accept the hand they've been dealt and, as a result, have formed, shaped and changed the course of our futures. The Leaders weaves together 48* unforgettable portraits of the true pioneers and leaders who made huge yet unacknowledged contributions to history, including: Grace O'Malley, the 16th century Irish pirate queen Sylvia Rivera, who spearheaded the modern transgender rights movement Agent 355, the unknown rebel spy who played a pivotal role in the American Revolution Noor Inayat Khan, who went

undercover to spy for the French Resistance and became Nazi enemy no. 1 Amina of Zazzau, the formidable ancient Muslim warrior queen of Northern Nigeria Chapters including Rebels; Warriors; Rulers; Activists and Reformers shine a spotlight on the rebellious women who defied the odds, and the opposition, to change the world around them. This free sampler gives you a window into their inspiring yet hidden stories. *The number of Nobel-prize-winning women.
Headstrong - Rachel Swaby 2015-04-07
Fifty-two inspiring and insightful profiles of history's brightest female scientists. "Rachel Swaby's no-nonsense and needed Headstrong dynamically profiles historically overlooked female visionaries in science, technology, engineering, and math."—Elle In 2013, the New York Times published an obituary for Yvonne Brill. It began: "She made a mean beef stroganoff, followed her husband from job to job, and took eight years off from work to raise three children." It wasn't until the second paragraph that readers discovered why the Times had devoted several hundred words to her life: Brill was a brilliant rocket scientist who invented a propulsion system to keep communications satellites in orbit, and had recently been awarded the National Medal of Technology and Innovation. Among the questions the obituary—and consequent outcry—prompted were, Who are the role models for today's female scientists, and where can we find the stories that cast them in their true light? Headstrong delivers a powerful, global, and engaging response. Covering Nobel Prize winners and major innovators, as well as lesser-known but hugely significant scientists who influence our every day, Rachel Swaby's vibrant profiles span centuries of courageous thinkers and illustrate how each one's ideas developed, from their first moment of scientific engagement through the research and discovery for which they're best known. This fascinating tour reveals 52 women at their best—while encouraging and inspiring a new generation of girls to put on their lab coats.

Mighty Moe - Rachel Swaby 2019-10-15
Rachel Swaby and Kit Fox present *Mighty Moe*, the untold true story of runner Maureen Wilton, whose world record-breaking marathon time at age 13 was met first with misogyny and controversy, but ultimately with triumph. Fifty-two years ago, a girl known as Mighty Moe broke the women's world marathon record at a small race in Toronto. This was an era when girls and women were discouraged from the sport and the longest track event at the Olympics for women was 25.6 miles shorter than a marathon. Thirteen-year-old Moe's world-beating victory was greeted with chauvinistic disapproval and accusations of cheating—as were many of her achievements in the sport she had excelled at from the age of ten. Within less than two years, the controversy took its toll and Maureen quit running. Here is the untold story of Mighty Moe's tenacity and triumph in the face of adversity as a young athlete—and of a grown-up Maureen finding her way back to the sport decades later. This inspiring biography for readers and racers of all ages showcases the truly groundbreaking achievements of an unassuming, amazing young athlete. *Mighty Moe* includes an introduction by Kathrine Switzer, the first woman to officially register and run in the Boston Marathon (and Maureen's only fellow female competitor at the 1967 record-setting race), and an afterword by Des Linden, the first-place finisher of the 11,628 women who raced the 2018 Boston Marathon. [Ten Women Who Changed Science, and the World](#) - Catherine Whitlock 2019-02-07

'These minibiographies of women who persisted will move anyone with an avid curiosity about the world.' Publishers Weekly With a foreword by Athene Donald, Professor of Experimental Physics, University of Cambridge and Master of Churchill College. *Ten Women Who Changed Science* tells the moving stories of the physicists, biologists, chemists, astronomers and doctors who helped to shape our world with their extraordinary breakthroughs and inventions, and outlines their

remarkable achievements. These scientists overcame significant obstacles, often simply because they were women. Their science and their lives were driven by personal tragedies and shaped by seismic world events. What drove these remarkable women to cure previously incurable diseases, disprove existing theories or discover new sources of energy? Some were rewarded with the Nobel Prize for their pioneering achievements -Madame Curie, twice - others were not and, even if they had been, many are still not the household names they should be. Despite living during periods when the contribution of women was disregarded, if not ignored, these resilient women persevered with their research, whether creating life-saving drugs or expanding our knowledge of the cosmos. By daring to ask 'How?' and 'Why?' and persevering against all odds, each of these women, in a variety of ways, has helped to make the world a better place. The scientists are: Henrietta Leavitt (United States, Astronomy); Lise Meitner (Austria, Physics); Chien-Shiung Wu (United States, Physics); Marie Curie (France, Chemistry); Dorothy Crowfoot Hodgkin (United Kingdom, Chemistry); Virginia Apgar (United States, Medicine); Gertrude Elion (United States, Medicine); Rita Levi-Montalcini (Italy, Biology); Elsie Widdowson (United Kingdom, Biology); Rachel Carson (United States, Biology).

Trailblazers: 33 Women in Science Who Changed the World - Rachel Swaby 2017-09-12

Florence Nightingale. Sally Ride. Ada Lovelace. These names and others are etched in history and included here as part of an awe-inspiring collection of profiles of thirty-three of the most influential women in science—women whose vision, creativity, passion, and dedication have changed the world. Aspiring scientists, young history enthusiasts, and children who enjoy learning about the world will be fascinated by these riveting snapshots—and parents who enjoyed the film *Hidden Figures* will find this to be the perfect extension. Covering

important advancements made by women in fields such as biology, medicine, astronomy, and technology, author Rachel Swaby explains that people aren't born brilliant scientists. They observe and experiment as kids and as adults, testing ideas again and again, each time learning something new. Kids are sure to come away with a renewed curiosity about the world and the realization that the road to discovery can be positively thrilling. "This collective biography is most timely. An interesting, engaging collection . . . that will encourage readers to explore further and perhaps pursue their own scientific curiosities." -Kirkus Reviews "The descriptions of the women's lives often have a quiet poetry. Readers . . . will find much to admire in these accomplished and unconventional women." -Publishers Weekly "Swaby's powerful book serves as an indispensable reminder that women have always been essential to science and innovation. Certain to inspire the next generation of scientists." -Nathalia Holt, New York Times bestselling author of *Rise of the Rocket Girls: The Women Who Propelled Us, From Missiles to the Moon to Mars*

The Girl Who Drew Butterflies - Joyce Sidman 2018-02-20

In this beautiful nonfiction biography, a Robert F. Sibert Medal winner, the Newbery Honor-winning author Joyce Sidman introduces readers to one of the first female entomologists and a woman who flouted convention in the pursuit of knowledge and her passion for insects. One of the first naturalists to observe live insects directly, Maria Sibylla Merian was also one of the first to document the metamorphosis of the butterfly. Richly illustrated throughout with full-color original paintings by Merian herself, *The Girl Who Drew Butterflies* will enthrall young scientists. Bugs, of all kinds, were considered to be "born of mud" and to be "beasts of the devil." Why would anyone, let alone a girl, want to study and observe them? *The Girl Who Drew Butterflies* answers this question. Booklist Editor's Choice

Chicago Public Library Best of the Year Kirkus Best Book of the Year Bulletin Blue Ribbon Book Junior Library Guild Selection New York Public Library Top 10 Best Books of the Year

The Alchemy of Air - Thomas Hager 2009-08-18

A sweeping history of tragic genius, cutting-edge science, and the Haber-Bosch discovery that changed billions of lives—including your own. At the dawn of the twentieth century, humanity was facing global disaster: Mass starvation was about to become a reality. A call went out to the world's scientists to find a solution. This is the story of the two men who found it: brilliant, self-important Fritz Haber and reclusive, alcoholic Carl Bosch. Together they discovered a way to make bread out of air, built city-sized factories, and saved millions of lives. But their epochal triumph came at a price we are still paying. The Haber-Bosch process was also used to make the gunpowder and explosives that killed millions during the two world wars. Both men were vilified during their lives; both, disillusioned and disgraced, died tragically. *The Alchemy of Air* is the extraordinary, previously untold story of a discovery that changed the way we grow food and the way we make war—and that promises to continue shaping our lives in fundamental and dramatic ways.

Women in Science - Rachel Ignotofsky 2021-06-22

The groundbreaking New York Times bestseller, *Women in Science* by Rachel Ignotofsky, comes to the youngest readers in board format! Highlighting notable women's contributions to STEM, this board book edition features simpler text and Rachel Ignotofsky's signature illustrations reimagined for young readers to introduce the perfect role models to grow up with while inspiring a love of science. The collection includes diverse women across various scientific fields, time periods, and geographic locations. The perfect gift for every curious budding scientist!

Headstrong - Rachel Swaby 2015-04-07

Fifty-two inspiring and insightful profiles of history's brightest female scientists. "Rachel Swaby's no-nonsense and needed Headstrong dynamically profiles historically overlooked female visionaries in science, technology, engineering, and math."—Elle In 2013, the New York Times published an obituary for Yvonne Brill. It began: "She made a mean beef stroganoff, followed her husband from job to job, and took eight years off from work to raise three children." It wasn't until the second paragraph that readers discovered why the Times had devoted several hundred words to her life: Brill was a brilliant rocket scientist who invented a propulsion system to keep communications satellites in orbit, and had recently been awarded the National Medal of Technology and Innovation. Among the questions the obituary—and consequent outcry—prompted were, Who are the role models for today's female scientists, and where can we find the stories that cast them in their true light? Headstrong delivers a powerful, global, and engaging response. Covering Nobel Prize winners and major innovators, as well as lesser-known but hugely significant scientists who influence our every day, Rachel Swaby's vibrant profiles span centuries of courageous thinkers and illustrate how each one's ideas developed, from their first moment of scientific engagement through the research and discovery for which they're best known. This fascinating tour reveals 52 women at their best—while encouraging and inspiring a new generation of girls to put on their lab coats.

Not Like Other Boys - Marlene Fanta Shyer 2001-07-25

"By offering different perspectives on their shared pasts, the Shyers produced a complex and emotionally persuasive family portrait." —Kirkus Reviews "A deeply moving memoir." —Publishers Weekly "What makes this story ultimately heroic is...a reminder of all those who struggle against the stigma of who they are." —The New York Times Book Review "This wonderful book will not only tug at your heart, it will open your mind to

the fact that homosexuality is not a choice, it is a given and has nothing to do with the worth of a human being."

—Women's News

Sex in Education, Or, A Fair Chance for Girls - Edward Hammond Clarke 1875

Women in Engineering - Margaret E. Layne 2009-06-05

Women in Engineering: Pioneers and Trailblazers introduces the visionary women who opened the door for today's female engineers. Pioneers such as Emily Roebling, Kate Gleason, Edith Clarke, and Katherine Stinson come to life in this anthology of essays, articles, lectures, and reports. In this book, the significant contributions women have made to engineering, in areas as diverse as construction management, environmental protection, and industrial efficiency, are finally placed in their proper historical context. Studies on women engineers in the 1920s and in the years following World War II, underscore how far women have progressed in engineering, and how far they have to go. With selections that span a century of historical and social analysis, Women in Engineering: Pioneers and Trailblazers and its companion volume, Women in Engineering: Professional Life, present a range of perspectives on women in engineering that will be of interest to historians, engineers, educators, and students. About the Author Margaret E. Layne, P.E., is project director of Advance VT, a program created at Virginia Tech to increase the participation and advancement of women in academic science and engineering careers. Headstrong - Rachel Swaby 2015-04-07 Fifty-two inspiring and insightful profiles of history's brightest female scientists. "Rachel Swaby's no-nonsense and needed Headstrong dynamically profiles historically overlooked female visionaries in science, technology, engineering, and math."—Elle In 2013, the New York Times published an obituary for Yvonne Brill. It began: "She made a mean beef stroganoff, followed her husband from job to job, and took

eight years off from work to raise three children." It wasn't until the second paragraph that readers discovered why the Times had devoted several hundred words to her life: Brill was a brilliant rocket scientist who invented a propulsion system to keep communications satellites in orbit, and had recently been awarded the National Medal of Technology and Innovation. Among the questions the obituary—and consequent outcry—prompted were, Who are the role models for today's female scientists, and where can we find the stories that cast them in their true light? Headstrong delivers a powerful, global, and engaging response. Covering Nobel Prize winners and major innovators, as well as lesser-known but hugely significant scientists who influence our every day, Rachel Swaby's vibrant profiles span centuries of courageous thinkers and illustrate how each one's ideas developed, from their first moment of scientific engagement through the research and discovery for which they're best known. This fascinating tour reveals 52 women at their best—while encouraging and inspiring a new generation of girls to put on their lab coats.

Girls Garage - Emily Pilloton
2020-06-02

Girls Garage is the only book you'll ever need for a lifetime of tools and building. Not sure which screws to buy? Need to fix a running toilet? With Girls Garage, you'll have the expertise to tackle these problems with your own hands. Or maybe you want to get creative and build something totally new. A birdhouse? A bookshelf? Girls Garage has you covered. Packed with illustrations that will build confidence for your next hardware store run, practical advice on everything from quick fixes to safety tips, and inspiring stories from real-world builder girls and women, this eye-catching volume makes the technical accessible. This is the guide every girl needs to take her life into her own hands. Girls, get in touch with your inner badass, and get building • Informative, inspiring, and designed for everyday use, this is the ultimate book of

book of building and woodcraft for girls. • A true confidence builder for girls interested in STEM, woodworking, and home improvement. • Along with her design agency and Girl's Garage, Emily Pilloton has been featured on television shows and the documentary film If You Build It. Girls Garage will be both a trusted household resource and a wellspring of inspiration and encouragement in the vein of Women in Science and Headstrong: 52 Women Who Changed Science and the World. • Nonfiction books for girls age 14 and up • Woodcraft, home repair, kids building projects • Inspiring Kids DIY for teens Emily Pilloton is a designer, builder, educator, and founder of the nonprofit design agency Project H Design and Girls Garage. Her ideas have made their way to the TED stage, the Colbert Report, and the full-length documentary If You Build It. She is currently a lecturer in the College of Environmental Design at the University of California, Berkeley. She lives in the San Francisco Bay Area.

Lessons in Chemistry - Bonnie Garmus
2022-04-05

As read on BBC Radio 4 Book at Bedtime THE #1 SUNDAY TIMES BESTSELLER and #1 NEW YORK TIMES BESTSELLER Winner of the Goodreads Choice Best Debut Novel Award A Book of the Year for: Guardian, Times, Sunday Times, Good Housekeeping, Woman and Home, Stylist, TLS, Oprah Daily, Newsweek, Mail on Sunday, New York Times Notable, India Knight, Hay Festival and many others 'Sparky, rip-roaring, funny, with big-hearted fully formed, loveable characters' SUNDAY TIMES 'The most charming, life-enhancing novel I've read in ages. Strongly recommend' INDIA KNIGHT 'Laugh-out-loud funny and brimming with life, generosity and courage' RACHEL JOYCE 'A novel that sparks joy with every page' ELIZABETH DAY _____ Your ability to change everything - including yourself - starts here Chemist Elizabeth Zott is not your average woman. In fact, Elizabeth Zott would be the first to point out that there is no such thing. But it's the early 1960s and her all-male team at

Hastings Research Institute take a very unscientific view of equality. Forced to resign, she reluctantly signs on as the host of a cooking show, *Supper at Six*. But her revolutionary approach to cooking, fuelled by scientific and rational commentary, grabs the attention of a nation. Soon, a legion of overlooked housewives find themselves daring to change the status quo. One molecule at a time. _____ SOON TO BE A MAJOR APPLE TV SERIAL, STARRING BRIE LARSON 'I loved Lessons in Chemistry and am devastated to have finished it!' NIGELLA LAWSON 'Elizabeth Zott is an iconic heroine - a feminist who refuses to be quashed, a mother who believes that her child is a person to behold, rather than to mould, and who will leave you, and the lens through which you see the world, quite changed' PANDORA SYKES 'It's the world versus Elizabeth Zott, and I had no trouble choosing a side. A page-turning and highly satisfying tale: zippy, zesty, and Zotty' MAGGIE SHIPSTEAD, author of *GREAT CIRCLE Lab Girl* - Hope Jahren 2016-04-05 National Bestseller Winner of the National Book Critics Circle Award for Autobiography A New York Times Notable Book Geobiologist Hope Jahren has spent her life studying trees, flowers, seeds, and soil. *Lab Girl* is her revelatory treatise on plant life-but it is also a celebration of the lifelong curiosity, humility, and passion that drive every scientist. In these pages, Hope takes us back to her Minnesota childhood, where she spent hours in unfettered play in her father's college laboratory. She tells us how she found a sanctuary in science, learning to perform lab work "with both the heart and the hands." She introduces us to Bill, her brilliant, eccentric lab manager. And she extends the mantle of scientist to each one of her readers, inviting us to join her in observing and protecting our environment. Warm, luminous, compulsively readable, *Lab Girl* vividly demonstrates the mountains that we can move when love and work come together. Winner of the American Association for the Advancement of Science/Subaru Science Books & Film Prize for Excellence in

Science Books Finalist for the PEN/E.O. Wilson Literary Science Writing Award One of the Best Books of the Year: The Washington Post, TIME.com, NPR, Slate, Entertainment Weekly, Newsday, Minneapolis Star Tribune, Kirkus Reviews

Like My Mother Always Said . . . -

Erin McHugh 2014-03-25

From the caring to the crazy, a collection of wit and wisdom from real-life moms. Their words can bring love and laughter and make us feel warm and safe . . . or, occasionally, completely confused. Now, the author of *Like My Father Always Said . . .* has crowd-sourced quotable quotes from countless moms-and gathers them in this hilarious, heartwarming volume. "Every woman should have a nice gay man looking after her." "You're not hungry. Your mouth is bored." "You like what you're wearing?" "Have a drink, you'll perk right up." "Don't be impressed by a man's car-he may be living in it." Covering a variety of subjects including "Questionable Wisdom," "Unconditional Love," and "Good Manners & Bad Behavior," *Like My Mother Always Said . . .* is the perfect book for anyone whose mom never gave up on them.

Info Buzz - Izzi Howell 2022-02-10

Find out about India with this fun and engaging first information book. Topics include major cities, interesting places, food, sport and much more. For children progressing through Book Bands, it is suitable for reading at level 8: Purple. The Info Buzz series, for age 5+, helps children develop their knowledge and understanding of the world by covering a wide range of topics in a fun, colourful and interactive way. The books have a lively design, engaging text and photos, questions to get children thinking and talking and teaching notes. Each title is written in conjunction with a literacy consultant and features book band guidance and downloadable activity sheets online.

Power in Numbers - Talithia Williams 2018-04-10

From rocket scientists to code breakers, discover the incredibly inspiring stories of more than 30

women who fought through the obstacles, shattered the stereotypes, and embraced their STEM passions. Prepare to be inspired. With more than 200 photos and original interviews with several of the amazing women covered, *Power in Numbers: The Rebel Women of Mathematics* is a full-color volume that takes aim at the forgotten influence of women on the development of mathematics over the last two millennia. Each biography reveals the amazing life of a different female mathematician, from her childhood and early influences, to the obstacles she faced and the great achievements she made in spite of them. Learn how: After her father terminated her math lessons, Sofia Kovalevskaya snuck algebra books into her bed to read at night. Emmy Noether became an invaluable resource to Albert Einstein while she was in the Navy. Native American rocket scientist Mary Golda Ross developed designs for fighter jets and missiles in a top-secret unit. Katherine Johnson's life-or-death calculations at NASA meant that astronauts such as Alan Shepard and John Glenn made it home alive. Shakuntala Devi multiplied massive numbers in her head so her family could eat at night. Pamela Harris proved her school counselors wrong when they told her she would only succeed as a bilingual secretary. Carla Cotwright-Williams began her life in the dangerous streets of South-Central Los Angeles before skyrocketing to a powerful career with the Department of Defense in Washington DC. One thing uniting these women's stories is that at some point on their journeys, someone believed in them; someone made them think the impossible was perhaps not so impossible. May their stories empower the next generation of STEM rebels to continue advancing mathematical theory, bringing awareness to the field, and increasing our *Power in Numbers*.

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2017-09-12

Florence Nightingale. Sally Ride. Ada Lovelace. These names and others are etched in history and included here

as part of an awe-inspiring collection of profiles of thirty-three of the most influential women in science—women whose vision, creativity, passion, and dedication have changed the world. Aspiring scientists, young history enthusiasts, and children who enjoy learning about the world will be fascinated by these riveting snapshots—and parents who enjoyed the film *Hidden Figures* will find this to be the perfect extension. Covering important advancements made by women in fields such as biology, medicine, astronomy, and technology, author Rachel Swaby explains that people aren't born brilliant scientists. They observe and experiment as kids and as adults, testing ideas again and again, each time learning something new. Kids are sure to come away with a renewed curiosity about the world and the realization that the road to discovery can be positively thrilling. "This collective biography is most timely. An interesting, engaging collection . . . that will encourage readers to explore further and perhaps pursue their own scientific curiosities." —Kirkus Reviews "The descriptions of the women's lives often have a quiet poetry. Readers . . . will find much to admire in these accomplished and unconventional women." —Publishers Weekly "Swaby's powerful book serves as an indispensable reminder that women have always been essential to science and innovation. Certain to inspire the next generation of scientists." —Nathalia Holt, New York Times bestselling author of *Rise of the Rocket Girls: The Women Who Propelled Us, From Missiles to the Moon to Mars*

Dorothy Crowfoot Hodgkin - Georgina Ferry 2020-01-07

Originally published: Granta Books, 1998.

Radioactive! - Winifred Conkling
2018-02-20

The fascinating, little-known story of how two brilliant female physicists' groundbreaking discoveries led to the creation of the atomic bomb. In 1934, Irène Curie, working with her husband and fellow scientist, Frederic Joliot,

made a discovery that would change the world: artificial radioactivity. This breakthrough allowed scientists to modify elements and create new ones by altering the structure of atoms. Curie shared a Nobel Prize with her husband for their work. But when she was nominated to the French Academy of Sciences, the academy denied her admission and voted to disqualify all women from membership. Four years later, Curie's breakthrough led physicist Lise Meitner to a brilliant leap of understanding that unlocked the secret of nuclear fission. Meitner's unique insight was critical to the revolution in science that led to nuclear energy and the race to build the atom bomb, yet her achievement was left unrecognized by the Nobel committee in favor of that of her male colleague. *Radioactive!* presents the story of two women breaking ground in a male-dominated field, scientists still largely unknown despite their crucial contributions to cutting-edge research, in a nonfiction narrative that reads with the suspense of a thriller.

Photographs and sidebars illuminate and clarify the science in the book.

Women of Invention - Charlotte Montague 2018-06-05

Hypatia was a Greek mathematician, astronomer, and philosopher who invented the hydrometer in about 400 AD. Described as a charismatic teacher, she was seen as an evil symbol of the pagan science of learning and she was eventually murdered by Christian zealots. For many women in years gone by, the invention process was fraught with danger and difficulty. Not only did they face the hardship and obstacles of inventing, they also had to contend with the sexism and gender discrimination of a male world that believed women had nothing to contribute. Scientific women came to the fore with momentous innovations which were impossible for men to ignore. During World War Two, Austrian actress Hedy Lamarr became a pioneer in wireless communications, developing a "Secret Communications System." More recently, 20-year-old Ann Makosinski has invented the

ingenious Hollow Flashlight which converts radiant body heat into electricity. Meanwhile other women continued inventing in the domestic sphere with Miracle Mops, long-lasting lipsticks, and magic knickers. In every walk of twenty-first century life women have been challenging themselves (and men) to shape the way we live. Some of the incredible innovators featured include Myra Juliet Farrell, Sally Fox, Rosalind Franklin, Helen Murray, Anna Pavlova, Mária Telkes, Giuliana Tesoro, Halldis Aalvik Thune, Ann Tsukamoto, Margaret A. Wilcox, Ada Lovelace, and many more. The 150 remarkable women in this book show all too clearly that not only can invention no longer be described as a male dominated domain but that a woman's inspiration and ingenuity will probably be driving the life-changing ideas of tomorrow's world.

Hedy's Folly - Richard Rhodes 2012-08-07

Pulitzer Prize-winning author Richard Rhodes delivers a remarkable story of science history: how a ravishing film star and an avant-garde composer invented spread-spectrum radio, the technology that made wireless phones, GPS systems, and many other devices possible. Beginning at a Hollywood dinner table, *Hedy's Folly* tells a wild story of innovation that culminates in U.S. patent number 2,292,387 for a "secret communication system." Along the way Rhodes weaves together Hollywood's golden era, the history of Vienna, 1920s Paris, weapons design, music, a tutorial on patent law and a brief treatise on transmission technology. Narrated with the rigor and charisma we've come to expect of Rhodes, it is a remarkable narrative adventure about spread-spectrum radio's genesis and unlikely amateur inventors collaborating to change the world.

Heroines of Mercy Street - Pamela D. Toler, PhD 2016-02-16

The true stories of the real nurses on the PBS show *Mercy Street* The nurses of the Civil War ushered in a new era for medicine in the midst of tremendous hardship. While the country was at war, these women not only learned to advocate and care for

patients in hostile settings, saved countless lives, and changed the profession forever, they regularly fell ill with no one to nurse them in return, seethed in anger at the indifference and inefficiency that left wounded men on the battlefield without care, and all too often mourned for those they could not rescue. *Heroines of Mercy Street* tells the true stories of the nurses at Mansion House, the Alexandria, Virginia, hotel turned wartime hospital and setting for the PBS show *Mercy Street*. Women like Dorothea Dix, Mary Phinney, Anne Reading, and more rushed to be of service to their country during the war, meeting challenges that would discourage less determined souls every step of the way. They saw casualties on a scale Americans had never seen before; diseases like typhoid and dysentery were rampant; and working conditions—both physically and emotionally—were abysmal. Drawing on the diaries, letters, and books written by these nursing pioneers, Pamela D. Toler, PhD, has written a fascinating portrait of true heroines, shining a light on their personal contributions during one of our country's most turbulent periods.

Amazons, Abolitionists, and Activists
– Mikki Kendall 2019-11-05

A bold and gripping graphic history of the fight for women's rights by the New York Times bestselling author of *Hood Feminism* "A beautifully drawn, hold-no-punches, surprisingly deep dive through the history of women's rights around the world, which will entrance kids and adults alike."—N. K. Jemisin, Hugo Award-winning author of the *Broken Earth* trilogy The ongoing struggle for women's rights has spanned human history, touched nearly every culture on Earth, and encompassed a wide range of issues, such as the right to vote, work, get an education, own property, exercise bodily autonomy, and beyond. *Amazons, Abolitionists, and Activists* is a fun and fascinating graphic novel-style primer that covers the key figures and events that have advanced women's rights from antiquity to the modern era. In addition, this compelling

book illuminates the stories of notable women throughout history—from queens and freedom fighters to warriors and spies—and the progressive movements led by women that have shaped history, including abolition, suffrage, labor, civil rights, LGBTQ liberation, reproductive rights, and more. Examining where we've been, where we are, and where we're going, *Amazons, Abolitionists, and Activists* is an indispensable resource for people of all genders interested in the fight for a more liberated future.

Race, Gender, Sexuality, and Social Class – Susan J. Ferguson 2015-07-16
An eye-opening exploration of how social statuses intersect to shape our identities and produce inequalities. In this fully edited and streamlined *Race, Gender, Sexuality, and Social Class: Dimensions of Inequality and Identity, Second Edition*, Susan Ferguson has carefully selected readings that open readers' eyes to the ways that social statuses shape our experiences and impact our life chances. The anthology represents many of the leading voices in the field and reflects the many approaches used by scholars and researchers to understand this important and evolving subject. The anthology is organized around broad topics (Identity, Power and Privilege, Social Institutions, etc.), rather than categories of difference (Race, Gender, Class, Sexuality) to underscore this fundamental insight: race, class, gender, and sexuality do not exist in isolation; they often intersect with one another to produce social inequalities and form the bases of our identities in society. Nine readings are new to this edition: Michael Polgar—on Jewish assimilation and culture in the U.S. Katherine Franke—on the 1940 Supreme Court case, *Suneri v. Cassagne*, concerning racial identity Carla Pfeffer—on transgender identity Michelle Alexander—on the New Jim Crow Richard Lachmann—on the decline of the U.S. as an economic and political power Abby Ferber—on privilege and "oppression blindness" Amada Hess—Why

Women Aren't Welcome on the Internet
Iris Marion Young—Five Faces of
Oppression Ellis Cose—Rage of the
Privileged “The choice of readings in
Race, Gender, Sexuality, and Social
Class: Dimensions of Inequality and
Identity is better than my current
text in terms of inequality and steps
of closing the gaps.” – Dr. Deden
Rukmana, Savannah State University “I
really like how Race, Gender,
Sexuality, and Social Class:
Dimensions of Inequality and Identity
deals with underlying concepts rather
than difference by x, y, or z.” – Ana
Villalobos, Brandeis University
Wuthering Heights – Emily Bronte
2021-05-21

Emily Bronte was an English novelist
& poet, who is best known for her
only novel, "Wuthering Heights: She
has written poems also such as –
'Poems by Currer, Ellis and Action
Bell', 'A Death Scene', 'To a Wreath
of Snow, and lots Many. 'Wuthering
Heights' is a highly imaginative work
of passion and hate. Author was
interested in mysticism and used to
enjoy her solitude outdoors. This
novel consists of those elements. It
is now considered a classic of
English literature. It was published
under the pseudonym – "Ellis Bell"
The story is full of high creativity
and very imaginative. It narrates
revenge also. It revolves around the
main character, Heathcliff. Wuthering
Heights is his farmhouse. Heathcliff
is a young orphan, who was brought by
Earnshaw at Wuthering Heights, 30
years ago. Earnshaw loves him
(Heathcliff) so much, even neglects
his own children. After death of
Earnshaw, his elder son Hindley
becomes the new master of Wuthering
Heights and he allows Heathcliff to
stay there only as a servant.
Catherine is in love with Heathcliff,
but doesn't show due to her social
statue. The story thus seems very

interesting and it ends with sights
of the ghosts of Catherine and
Heathcliff. It consists of many ups
and downs Readers will Surely going
to enjoy the novel. It's
Heartthrobing and it's very difficult
to getup without reading the novel –
fully.

Brilliant Ideas From Wonderful Women
– Aitziber Lopez 2019-03-05
Discover the stories behind 15 of the
twentieth century's key inventions in
this fun and informative treasury of
trailblazing women, who each made a
unique contribution to the history of
science and technology. Car
heaters...Monopoly...Disposable
diapers...The
dishwasher...Kevlar...Maritime flares...
Anti-reflective
glass...Wifi...Syringes...Submarine
periscopes...Diagnostic
tests...Lifeboats...Windshield
wipers...Ebooks...What do each of these
revolutionary inventions have in
common? They were all pioneered by
women! Each brilliant idea is
presented with biographical
information about the brilliant woman
who came up with it, including what
inspired them. Learn how Martha
Coston disguised herself as a man to
contact pyrotechnicians and convince
them to manufacture her idea for
maritime flares, how a New York tram
ride on a wet winter's day led Mary
Anderson to invent the windshield
wiper, and why Letitia Mumford Geer's
one-hand operated syringe was a
medical breakthrough, among other
fascinating facts. Full-page
illustrations show the inspiration
for and use of these incredible
inventions in humorous detail. From
lifeboat-inventor, Maria Beasley, to
the grandmother of the ebook, Ángela
Ruiz Robles, each of the inspiring
women in this book achieved their
goal of leaving the world a better
place than they found it.