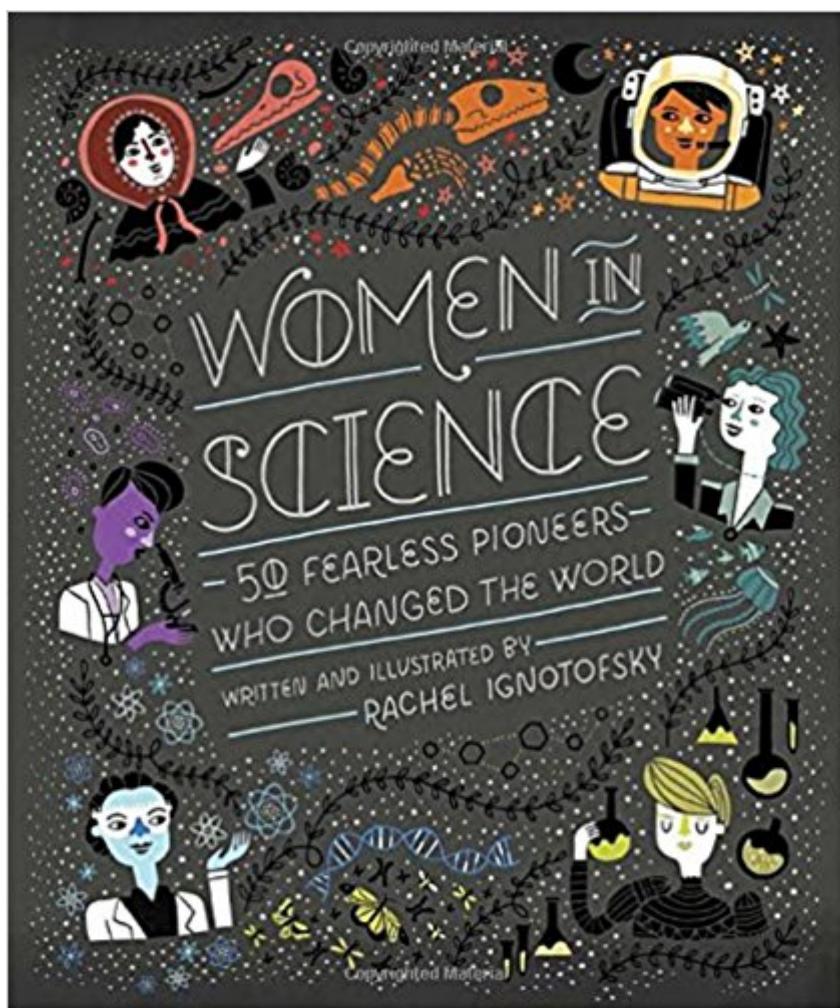


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# Women In Science: 50 Fearless Pioneers Who Changed The World



## Synopsis

It's a scientific fact: Women rock! A charmingly illustrated and educational book, New York Times best seller Women in Science highlights the contributions of fifty notable women to the fields of science, technology, engineering, and mathematics (STEM) from the ancient to the modern world. Full of striking, singular art, this fascinating collection also contains infographics about relevant topics such as lab equipment, rates of women currently working in STEM fields, and an illustrated scientific glossary. The trailblazing women profiled include well-known figures like primatologist Jane Goodall, as well as lesser-known pioneers such as Katherine Johnson, the African-American physicist and mathematician who calculated the trajectory of the 1969 Apollo 11 mission to the moon. Women in Science celebrates the achievements of the intrepid women who have paved the way for the next generation of female engineers, biologists, mathematicians, doctors, astronauts, physicists, and more! • BrainPickings - Best Science Books of the Year

## Book Information

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## Customer Reviews

A New York Times Best SellerBest Science Books of 2016, Science FridayGreatest Science Books of 2016, BrainPickings.org"Years ago, I saw a photograph of a young boy in a collection of images from Life magazine. He sits on a stoop with his head thrown back, ecstatically hugging a new pair of shoes. I can imagine a young girl feeling that way about this book. Even before you start to read, the spell is cast. The illustrations are gorgeous, irresistible whimsy. The cover lettering shines silver against a caressable black matte surface. And then you start reading. Here are women who

dared, who pioneered, who took risks and changed the world. Here is Jane Goodall as a young girl, scaring the family's chickens by "trying to observe how they laid eggs." Here is Alice Ball, discovering a cure for leprosy. Here's microbiologist Esther Lederberg, so broke she cooked up the leftover frog legs from the dissection lab. Here's Rosalind Franklin, documenting DNA's distinctive double helix (only to have her work pirated by Watson and Crick). Here are physicists, astronauts, mathematicians. Vulcanologist and entomologists. Inventors and Nobel laureates. Here is inspiration. I can't wait to wrap this book up and give it to my granddaughter Gus the moment she's old enough." Mary Roach, author of *Gulp*, for Google Play's "Our Favorite Authors" Favorite Books of 2016 "This charming encyclopedia includes a page of text and a fanciful drawing of the women scientists you've heard of • and plenty who you haven't! The book has good coverage of the 1800s and early 1900s • a critical time when women's expanding participation in science was changing the very structure of how knowledge is pursued. Interspersed with gems like a colorful timeline of women's achievements, and a cartoon celebrating a wonderful hoard of lab supplies, Ignotofsky's profiles of diverse female scientists is a great addition to the shelf of any student, of any age."

Hope Jahren, author of *A Lab Girl*, for *The Fader* "In this wittily illustrated, accessible volume, Rachel Ignotofsky highlights 50 women who changed the course of science." Wall Street Journal "With the help of eye-catching artwork, Ignotofsky celebrates not just astronauts, but also the engineers, biologists, mathematicians, and physicists who've blazed a trail for women in STEM (science, technology, engineering, and mathematics) fields from the ancient to modern world. The book elevates this information with beautiful and instructive infographics that delve into topics like the number of women currently working in STEM fields." Entertainment Weekly (online) "With short, inspiring stories and the accessibility of a graphic novel. . .the perfect book to share with the science- and tech-minded people (male and female, young and old) in your life. . . .The must-read, girl-power STEM book." InStyle.com "This book of illustrated biographies of scientific pioneers is hands-down gorgeous. . . .Kids will love paging through this, looking at all the detailed drawings, but they'll likely have to rip it out of the hands of the adults who are marveling at each new page of factoids." Sarah Mirk, Bitch Media "The book is a beautifully curated collection of personal narratives from female scientists from a wide variety of backgrounds and disciplines, with a dash of whimsy thrown in." Upworthy "I applaud Ignotofsky and her publisher for telling these important stories about women through such a rich, visual medium. The world needs more books like this." ScientificAmerican.com's *Symbiartic* ". . .an illustrated homage to some of the

most influential and inspiring women in STEM. . . . Ignotofsky captures the heartbreakingly unequalities that only amplify the impressiveness of these women's feats." " Maria Popova, BrainPickings.org" . . . a clever introduction to women scientists through history." " Science Friday" True fact: This book is so cool that I had to go steal it back from my fifth grade daughter to review it. . . . this book perfectly balances well-researched facts with gorgeous, whimsical illustrations making it a favorite you just can't put down." " Cool Mom Picks Advance praise for Women in Science: " " If there were constellations celebrating the incredible accomplishments of women in science, Rachel Ignotofsky's illustrations would serve as the blueprints. As Ignotofsky floats a NASA computer programmer and mathematician Annie Easley amid rockets and stars, surrounds Higgs boson discoverer Sau Lan Wu with particles, and cradles Barbara McClintock with corn and chromosomes, she anchors her dreamy depictions into our brains. Women in Science captures the joy of so many essential discoveries while also celebrating the extraordinary lives of the women who've achieved them. " " Rachel Swaby, author of Headstrong: 52 Women Who Changed Science " " and the World " " I wish I had a daughter so I could give her a copy of Rachel Ignotofsky's lovingly illustrated Women in Science. In addition to Marie Curie, Rosalind Franklin, and Ada Lovelace, the book profiles dozens of less familiar female scientists " " African American, Asian, Jewish, Russian, French, in stylish dresses, lab coats, trousers, spacesuits, shorts " " whose accomplishments in astronomy, physics, mathematics, biology, psychology, and computer science came as news even to me. Ignotofsky provides young women with the courage and confidence to follow the exciting paths these pioneers have blazed before them. " " Eileen Pollack, author of The Only Woman in the Room: Why Science Is Still a Boys' Club " " Women in Science " is a comprehensive and stunningly illustrated tribute to brilliant female minds. Through real stories of perseverance and passion, Rachel Ignotofsky affirms the important role of women in shaping humankind's scientific journey. The book offers the next generation of young women a diverse set of relatable and enormously inspiring role models. " " Lisa Congdon, illustrator and author " " In Rachel Ignotofsky's edifying and inspiring book " we meet some of history's most remarkable women. Each profile contains extraordinary stories of obstacles and achievements. The drawings float on the pages " " dark backgrounds, making each figure appear to hover in the sky like a constellation. That's what the reader is doing in this book: stargazing. " " Lauren Redniss, author of Radioactive and Thunder & Lightning " " Paired with her delightfully whimsical drawings, the concise and accessible profiles of

women scientists in Rachel Ignotofsky's book reveal the setbacks faced by women in male-dominated scientific careers and show how these women cared deeply about making the world—and the world of science—a more equal place. With its enthusiastic tone and its colorful layout, this inviting introduction to women in science urges its readers to take advantage of their education and to participate in scientific discoveries of their own. —Rory Dicker, author of *A History of U.S. Feminisms*

Rachel Ignotofsky grew up in New Jersey on a healthy diet of cartoons and pudding. She graduated with honors from Tyler School of Art's graphic design program in 2011. Now she lives in beautiful Kansas City, Missouri, where she spends all day drawing and learning as much as she can. She has a passion for taking dense information and making it fun and accessible and is dedicated to creating educational works of art. Rachel is inspired by history and science and believes that illustration is a powerful tool that can make learning exciting. She uses her work to spread her message about education, scientific literacy, and powerful women. She hopes this book inspires girls and women to follow their passions and dreams. This is Rachel's first book and she plans on writing many more in the future. To see more of Rachel's educational art and learn more about her, please visit [www.rachelignotofskydesign.com](http://www.rachelignotofskydesign.com).

I bought this for my second-grade daughter who loves science. At first glance she was turned off by the small type but a few minutes later came back and wanted me to read with her. For an elementary schooler it will likely be a read together book for a while. Which is fine since we've just read a few pages and it opened up opportunities to discuss all sorts of things, about science and society, and piqued our interest to look up additional pictures and facts on the Internet. I am learning too! And it is a beautiful book to hold and look at.

I read a different segment to my 4 year old daughter every night and follow up with a photo of the person we just discussed on my phone along with the wiki article. She loves it and looks forward to it each and every evening before bed. She wants to be a scientist when she grows up. We need more books like this in our society so more of our little girls grow up loving math and science! Great pick - highly recommended.

Full of beautiful illustrations and great information. It's obvious how much care and attention was put into the spread for each of the scientists. I can see myself as a kid spending hours with this book.

So many great surprises.

Beautiful book. Perfect illustrations, and such a mind opener. This is a great book to have if you are a woman in science (\*raises hand\*), know a woman in science, or just appreciate knowing who did what and why in the world. My favorite story is the one with the replica plating invention, by Esther Lederberg. This book is an inspiration to all, and such a mind opener. If you are thinking about getting it, just get it. It'll be a beautiful addition to your coffee table!

What a great collection! The graphics are so engaging! The information is clear and interesting ! I got one copy for my granddaughter to grow into (she is almost 4) and another for myself to read and to read to the children that I nanny for. I could not be more pleased. !

This is a wonderful book for all ages, highlighting women in history who discovered amazing things. this and more books like it will eventually change the (wrong) assumption that every great invention and discovery throughout history was done by men. Not just a book for females. Perfect for boys to show them that girls are their equals.

Open this gorgeous book to meet scientists illustrated in mid-air, surrounded by signs of amazing discoveries. The 50 women are quite diverse in scientific fields, time periods, and cultural backgrounds, which adds to the energy and hope on paper thatÃ¢Â¢Â¢s pink, purple, and various shades of blue and green. The illustrations are surrounded by smaller pictures labeled with impressive feats, with a quote from or about the scientist drifting like a cloud under her feet. Rachel IgnotofskyÃ¢Â¢Â¢s joy in the accomplishments is contagious in her well chosen words and vibrant illustrations of Hypatia, Maria Merian, Mary Anning, Marie Curie, Barbara McClintock, Katherine Johnson, and other mathematicians, geologists, chemists, and more. Each section ends with an allusion to the scientistÃ¢Â¢Â¢s place within history. Illustrated lab equipment and a glossary, as well as recent statistics on women in STEM fields, rounds out the book, with an afterword urging girls to keep changing the world.

I gave this to a 13YO young lady who is very interested in science. She loved the layout (one page per person), and the contemporary drawings. I browsed through a few pages before wrapping it, and learned about several interesting women myself! Definitely recommend for any young person as they think about careers.

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