

A Few Books To Encourage Youth (Girls Especially) In Science, Technology, Engineering, and Math

Rosie Revere, Engineer, by Andrea Beaty and David Roberts. This is a somewhat whimsical story book about a girl who is determined to be an engineer and to build an airplane for her great-great Aunt.

Rosie Revere's Big Project Book for Bold Engineers, by Andrea Beaty and David Roberts.
(Scheduled for release April 2017)

Ada Twist, Scientist, by Andrea Beaty and David Roberts. This is story book about a girl of color who scientifically investigates a strange smell in her house.

Women in Science: 50 Fearless Pioneers Who Changed the World, unabridged edition,
by Rachel Ignotofsky

Girls Think of Everything: Stories of Ingenious Inventions by Women, by Catherine Thimmesh
and Melissa Sweet

The Most Magnificent Thing, by Ashley Spires A story book about a girl and her dog, and how the dog encourages her to keep trying to build her invention.

What Do You Do With an Idea? By Kobi Yamada (Note: this is about a boy with an idea, but the reviewers on Amazon.com indicated that girls enjoyed it as well)

Hidden Figures, young reader's edition, By Margot Lee Shetterly This is a the true story of four women of color in the 1960s who overcame discrimination to be the mathematical and technical wizards behind the U.S. Space Program. Also a new major motion picture. May not be suitable for younger children.

The Girl Who Could Talk to Computers - An Inspirational Tale About Grace Hopper (The Girls Who Could) (Volume 1), by Maya Cointrau. Written for children 4-9 years old, it is the story of Admiral Grace Hopper, who developed the compiler for the COBOL computer language.

Hedy Lamarr and a Secret Communication System, by Trina Robbins. This is a short 25 page paperback book in comic book style, to introduce children of approximately elementary school age to the invention of spread spectrum technology that Hollywood actress Hedy Lamar and a male accomplice invented. There are other books also available with more detail on Lamar but they should be vetted as to suitability for children.

Rocket Girl: The Story of Mary Sherman Morgan, America's First Female Rocket Scientist, by George P. Morgan. The story is written by her son, and describes her contributions to the U.S. launching its first satellite into space, at the height of the Cold War in the 1950s when the Russians seemed to be having all the successes. Ms. Morgan was a chemist, and working with Werner Von Braun, she helped solve the problem of why the U.S. rockets kept crashing-it had to do with the fuel!

Rise of the Rocket Girls: The Women Who Propelled Us, from Missiles to the Moon to Mars, by Nathalia Holt. This is the story of the Jet Propulsion Laboratory in California in the 1940s, and the young women who were hired as “computers” to work out the math on the trajectories and other complex problems, which eventually led to the U.S. space program.

The Girls of Atomic City: The Untold Story of the Women Who Helped win WW2, by Denise Kiernan. This is the story of the women who worked during World War 2 at the top secret atom bomb project in Oak Ridge Tennessee.

All of these books can be found on Amazon or other in other book stores or Websites. Parents may wish to preview the books for suitability before giving to their children.

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