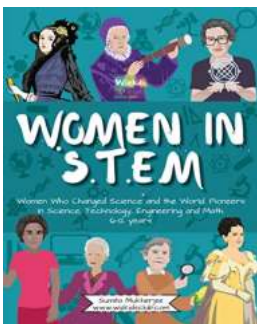


Amazing Women Who Changed Science And The World

Science and technology have always been fields dominated by men. However, throughout history, there have been exceptional women who defied societal norms and made groundbreaking contributions to these fields. Their discoveries and inventions have not only revolutionized science but have also shaped the world we live in today. In this article, we will explore the lives and achievements of some of these incredible women pioneers.

1. Marie Curie (1867-1934)

Marie Curie was a Polish-born physicist and chemist who conducted groundbreaking research on radioactivity. She was the first woman to win a Nobel Prize and the only person to win Nobel Prizes in two different scientific fields - physics and chemistry. Her work laid the foundation for the development of new treatments for cancer and the use of radiation in medical imaging.



Women in STEM! : Amazing Women Who Changed Science and the World Pioneers in Science, Technology, Engineering and Math (STEM)

by Sumita Mukherjee (Kindle Edition)

★★★★☆ 4.5 out of 5

Language : English

File size : 13297 KB

Text-to-Speech : Enabled

Enhanced typesetting : Enabled
Print length : 72 pages
Lending : Enabled
Screen Reader : Supported



Curie's dedication to scientific discovery and her unwavering determination to overcome gender barriers made her an inspiration for generations of women in science.

2. Ada Lovelace (1815-1852)

Ada Lovelace, an English mathematician and writer, is often credited as the world's first computer programmer. In the 1840s, she worked with Charles Babbage on his Analytical Engine, a mechanical general-purpose computer. Lovelace created the first algorithm specifically designed to be processed by a machine - an essential concept in computer programming.



Lovelace's visionary insights into the potential of computing machines paved the way for the digital age we now live in and earned her recognition as a pioneer of computer science.

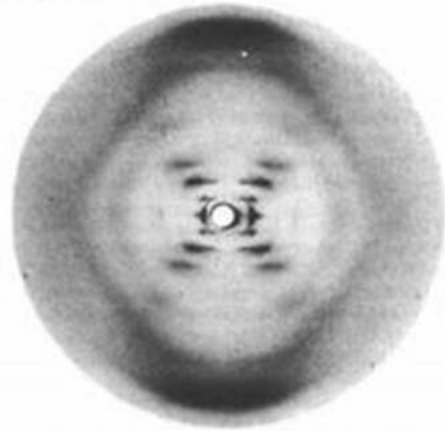
3. Rosalind Franklin (1920-1958)

Rosalind Franklin was a British biophysicist who played a crucial role in discovering the structure of DNA. Through her groundbreaking X-ray diffraction images, known as Photo 51, Franklin provided the critical evidence that allowed James Watson and Francis Crick to propose the double helix model of DNA.

Rosalind Franklin's X-ray diffraction pattern of DNA



Rosalind Franklin obtained this X-ray diffraction pattern, which triggered the idea that DNA was a helix.

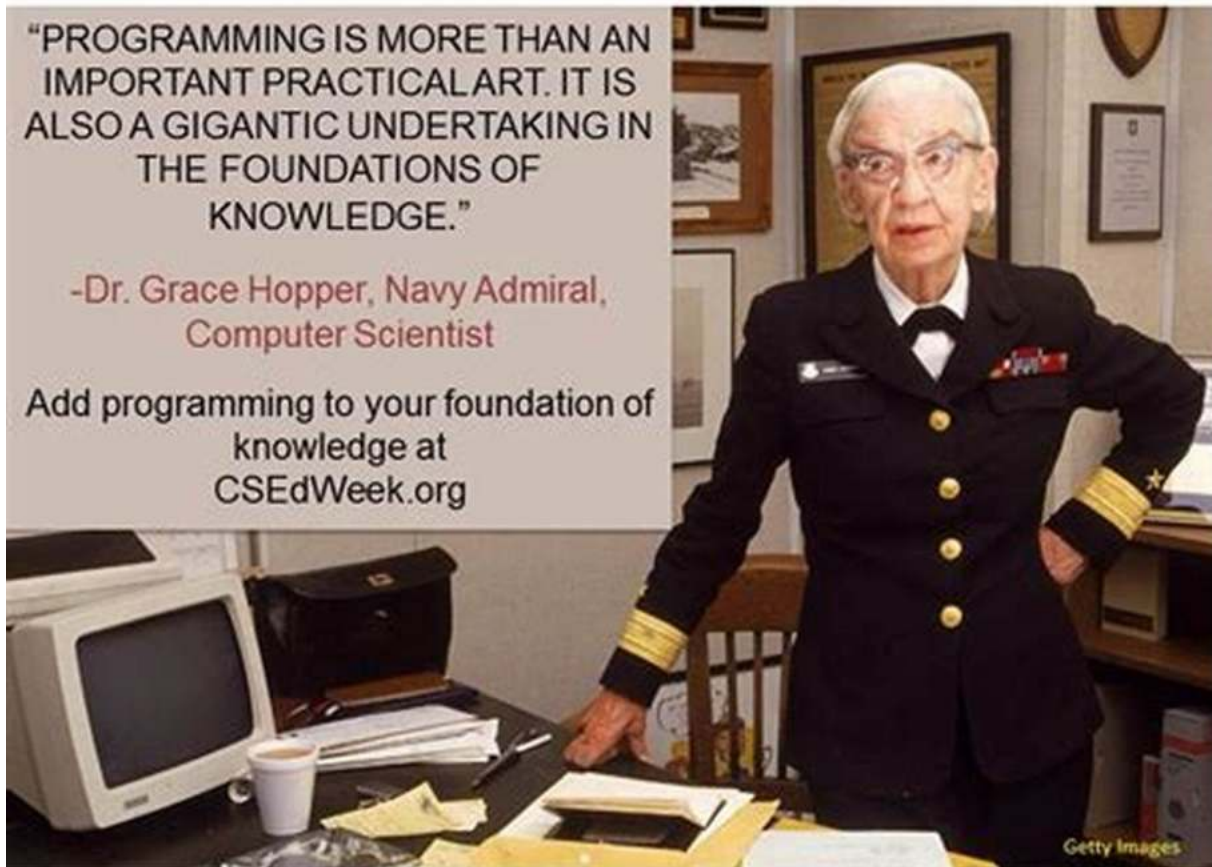


Biotech Review

Despite her significant contributions, Franklin's work was undervalued and overshadowed for many years. However, her achievements are now widely acknowledged, and she is recognized as one of the key figures in the discovery of DNA's structure.

4. Grace Hopper (1906-1992)

Grace Hopper, an American computer scientist and naval officer, was a pioneer in the field of computer programming. She developed the first compiler, a program that translates human-readable code into machine language, making it easier to write programs for computers.



Hopper's work revolutionized programming and made computers more accessible to a wider range of people. Her contributions have had a lasting impact on the development of modern computer languages and software engineering.

5. Katherine Johnson (1918-2020)

Katherine Johnson was an African-American mathematician who worked for NASA during the Space Race. Her exceptional mathematical skills played a vital role in calculating trajectories for space missions, including the historic Apollo 11 moon landing.

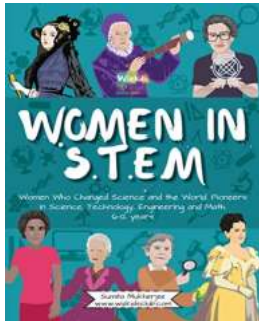


Johnson's groundbreaking calculations and dedication to her work broke down racial and gender barriers in the field of aerospace engineering. Her story was brought to the forefront in the movie "Hidden Figures."

These amazing women pioneers in science and technology shattered stereotypes and opened doors for future generations. Their unwavering dedication,

groundbreaking discoveries, and relentless pursuit of knowledge changed the world and continue to inspire generations of scientists, engineers, and innovators.

It is crucial to recognize and celebrate the achievements of these extraordinary women, as their stories serve as a reminder that gender should never be a barrier to pursuing one's passions and making lasting contributions to society.



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INSIDE THIS BOOK!

A book on famous scientists, mathematicians, engineering technology, space exploration, DNA and gene researchers, physicists, Chemistry Experiments, and more to inspire our young brilliant minds to build the future.

Meet some amazing and inspiring women who have worked in the field of STEM (Science, Technology, Engineering, and Math) and changed the world. Smart women have always been able to achieve remarkable things, even when the odds were stacked against them

□ SCIENCE: Marie Curie, Caroline Herschel, Dorothy Hodgkin, Chien-Shing Wu, and more.

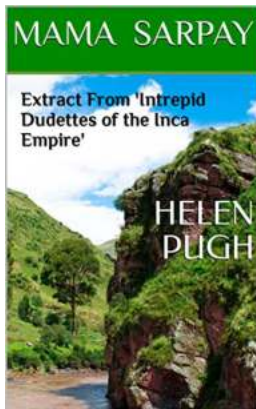
□ TECHNOLOGY: Grace Hopper, Hedy Lamarr, Ada Lovelace, Katherine Johnson, and more.

□ ENGINEERING: Emily Roebling, Martha J Coston, Lillian Gilbreth, Edith Clarke, Mary Anderson, and more.

□ MATH: Emmy Noether, Sophie Germain, Julia Robinson, Marjorie Lee Burke, and Florence Nightingale.

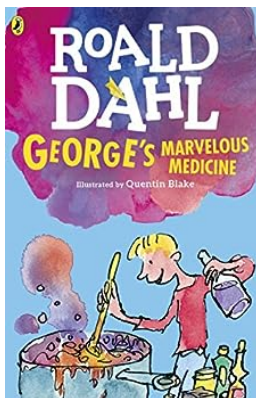
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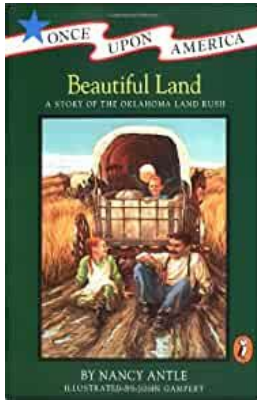
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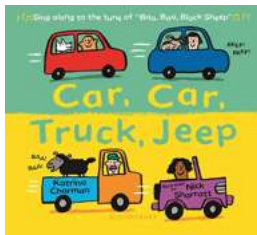
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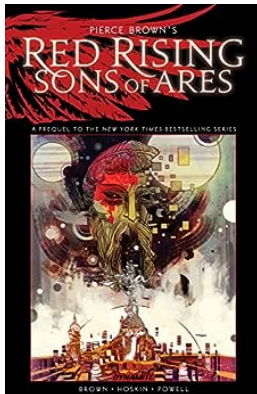
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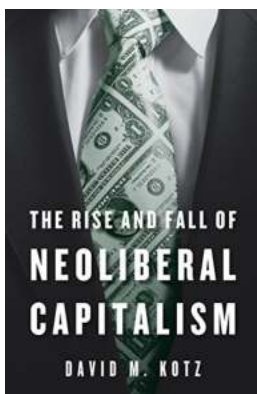
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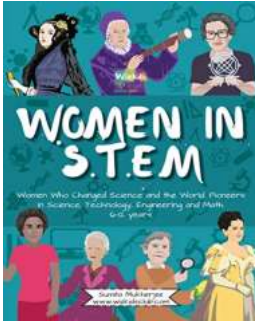
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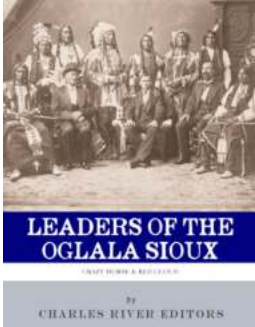
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