

Famous Female Scientists Who Helped Change the World



I. Tiera Guinn



- This 21-year-old scientist hasn't yet graduated from college, but Tiera Guinn's already doing literal rocket science.
- She's an aerospace major with a 5.0 GPA who also works as a Rocket Structural Design and Analysis Engineer for the Space Launch System that aerospace company Boeing is building for NASA.

2. Marie Curie



- The Polish scientist studied at the Sorbonne, where she became the head of the physics lab there in the early 1900s — when women really did not teach science at European universities — and pioneered research in radioactivity. She and her husband jointly won the Nobel Prize in 1903.

3 Rosalind Franklin



- Rosalind Franklin, born in 1920, was a British biophysicist known for revolutionary work discovering DNA, as well as understanding X-rays and molecular structure.

4. Maria Mitchell



- Mitchell was the first professional American woman astronomer, who discovered a comet using a telescope in 1847. This comet is now known as “**Miss Mitchell’s Comet**” or C/1847 T
- Mitchell started cataloging Sun’s position and by 1873 she was able to take relatively more precise photographs of the Sun and formulate the hypothesis that sunspots were not clouds but cavities on the Sun’s surface.

3 Chen-Shiung Wu



- In the world of experimental physics, the Chinese born,
- **Wu experiment**, established that the conservation of parity is also applied to weak interactions, not just the electromagnetic and strong interactions.
- This discovery proved to be a major factor in the development of the Standard Model of particle physics. The success of this experiment gave her two colleagues Chen-Ning Yang and Tsung-Dao Lee the Nobel Prize 1957, but Wu was excluded from any sort of recognition for her work until 1978.

6 KATHERINE JOHNSON, MATHMETICIAN



- In 1953, mathematician **Katherine Johnson** began her legendary career at NASA as a “human computer.” As one of the first African American women to work at NASA, she broke barriers while helping the space agency achieve its goals. One of her finest achievements was calculating the flight path of **Apollo 11**, which allowed it to successfully land on the Moon and make its way back to Earth.

7 Jane Cooke Wright



- Oncologist **Jane Cooke Wright** was a pioneer in cancer research. Born into a family of doctors, Dr. Wright followed this legacy and forged a name for herself thanks to her innovations in chemotherapy and in finding new drugs to treat breast cancer. She helped make chemotherapy more widely available to the public during her time at the Cancer Research Foundation at Harlem Hospital in the 1950s. Dr. Wright was also the first to identify methotrexate, a drug that is the basis for all modern chemotherapy and is still widely used today..