What is STEAM?

- **S**cience

- **T**echnology

- **E**ngineering

- **A**rt

- **M**athematics

Why do we need more women in STEAM?

- Women make up half of the population, but they are often underrepresented in tech jobs.

- Women have brought new ideas and inventions to the tech world!

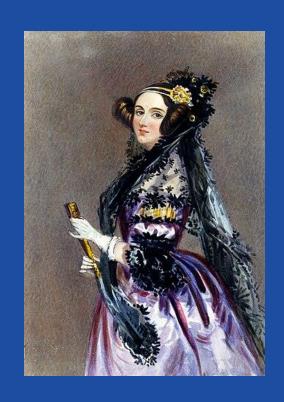- It's important for everyone to have a chance to change the world with their ideas!

Ada Lovelace (1815-1852)

She was the first computer programmer.

She worked with Charles Babbage on his early mechanical computer.

She wrote the first algorithm to be processed by a machine.

Grace Hopper (1906-1992)

She was a computer scientist and U.S. Navy Rear Admiral.

She studied mathematics at YALE University.

She was one of the first programmers of the Navy's IBM Mark I computer.

She popularized the term "debugging" in computing after removing a moth from a computer!
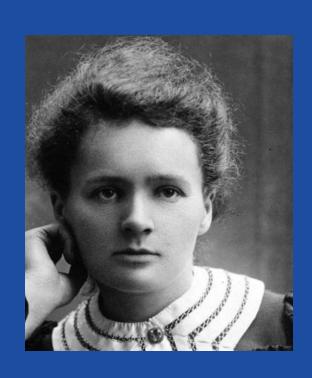
Marie Curie (1867–1934)

She was a pioneering scientist in the field of radioactivity.

She was the first woman to win a Nobel Prize.

She was the only person to win Nobel Prizes in two different sciences (Physics and Chemistry).

Her work in radiation helped in the development of X-ray machines and cancer treatments.

She showed that women can be leaders in science and make groundbreaking discoveries!

Katherine Johnson (1918-2020)

She was an African-American scientist.

She was a mathematician and NASA scientist.

Her calculations helped send astronauts to space.

Her story was featured in the movie *Hidden Figures*.

Beatrice Shilling (1909-1990)

She was a motorcycle racer and aeronautical engineer.

She helped save the lives of British airforce pilots during World War II.

She designed a device that regulated the flow of fuel to the engine of a plane.

Emily Warren Roebling (1843-1903)

She was a business woman and a builder.

After her husband's illness, she was responsible for guiding the construction of the Brooklyn Bridge (1869–83).
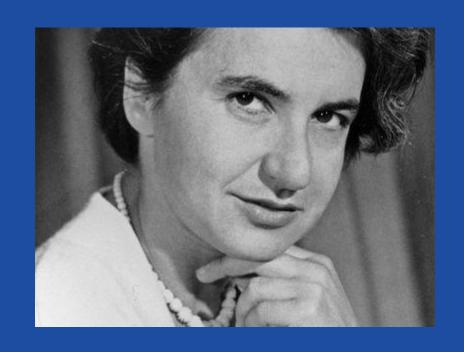
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Rosalind Franklin (1920-1958)

She was a British scientist.

Her work was important in discovering DNA and improving understanding on viruses.

DNA holds genetic information.

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Why STEAM?

High demand for jobs in these fields

Solving global challenges

(climate change, health, AI, etc.)

Excellent career opportunities.

A chance to create, discover, and lead.

Women bring unique perspectives and diversity to innovation!

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Why girls in STEAM matter?

Diverse teams solve problems more creatively. **Women bring fresh ideas** that can lead to better products, safer designs, and smarter innovations.

Women make up half the population but are **underrepresented in STEAM** fields — especially in tech and engineering. It's time to change that.

Climate change, health crises, ethical AI, global challenges — the world needs *everyone's brainpower*, especially yours.

How to get involved?

Explore Code Week activities at codeweek.eu

Join school clubs (robotics, coding, science fairs)

Try platforms like Scratch, Khan Academy, Code.org

Ask questions. Stay curious.

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Test your knowledge!
Click on the link to play Kahoot!:

[Kahoot! Women in STEAM](#)

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Sources

Ada Lovelace Day: 6 Women Who Shook Up STEM - Our World

15+ greatest women in STEM

IWD: 13 Women in STEM Who Changed the World

https://www.britannica.com/biography/Rosalind-Franklin

https://www.britannica.com/biography/Emily-Warren-Roebling