

Women in Science



A Historic and Contemporary Inquiry-Based Project



Thank you for your interest

- This project is designed in a way that it can be used across many grades. It is meant to inspire young girls to continue their science education so whether you are a grade 3 teacher or a senior physics teacher, this project will work well in your classroom.
- The assignment is in Word and is fully editable. Feel free to change as you see fit

Women in Science

- Women are massively under-represented in STEM (science, technology, engineering and mathematics) subjects, at all levels.
- The aim of this inquiry project is to get your students to realize the important contributions females are currently making to science as well as the subject-alternating discoveries they have made in the past.
- This will act to change the mindset of both the boys and girls in the classroom.
 - This will lead to an increase enrolment of females in the senior sciences.
 - Create males that are no longer bound by the stereotypes of our society.

Women in Science

- Did you know that in the United States, women earn close to 60% of bachelor's degrees overall, but only 20% of the degrees in computer science, 20% of those in physics, and 18% of those in engineering?
- We need girls in STEM subjects!
- Once your students have explored the rich history of women in science, they (both the boys and girls) will be inspired to continue on in STEM subjects.

Women in Science – Activity Overview

- The assignment begins with profiles of prolific women scientists and inventors.
- Next it sets up a discussion about women in science that you will perform in your classroom.
- It then moves on to an overview of the task.
- The assignment ends with 2 rubrics, 1 is a teacher marking rubric and other other is a peer evaluation rubric.

Why this project is important

- Some girls need encouragement to enter the typically male dominated sciences (especially the physical sciences). This project will provide them with the confidence to do so.
- Some males need to move away from the nasty stereotypes our society has generated over the years. This project will also empower them to change their point of view.
- Lets work together to increase women's interest in Science. We know they are more than capable, lets give them the encouragement they deserve.

What skills will your students learn?

- Research skills
 - Students will need to perform extensive research to prepare their presentation
- Presentation skills
 - Students will present their findings in a creative manner. They will need to develop the skills needed to do so effectively.