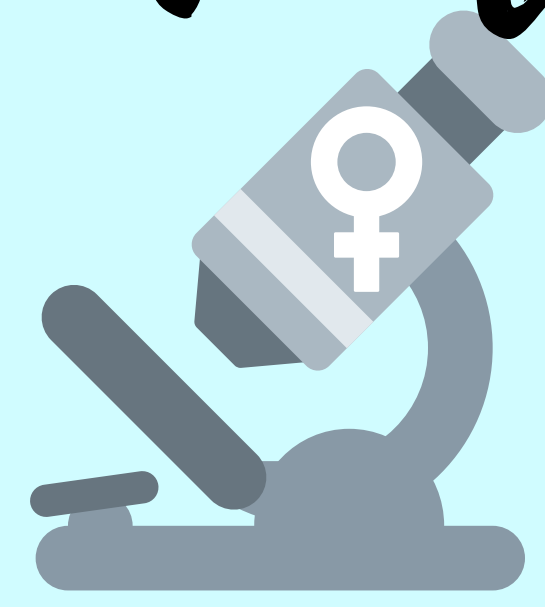
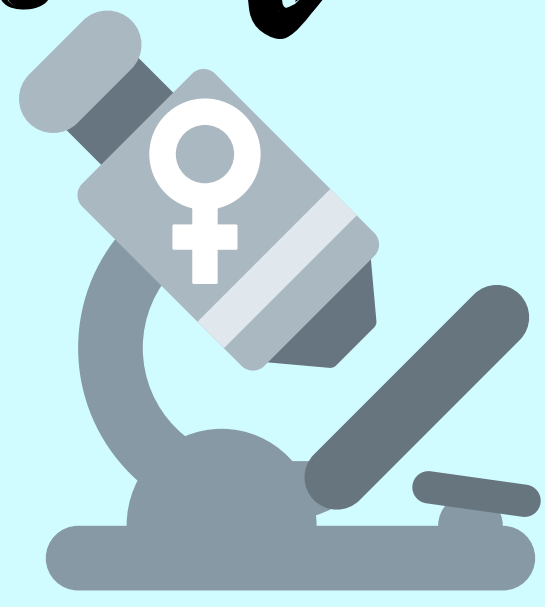


A RECIPE THAT WILL TAKE A WHILE TO PERFECT, BUT WE'RE ALMOST THERE!

How to Make the Future of STEM



SERVING SIZE: MILLIONS OF FEMALES IN STEM JOBS

01

THE ISSUE

How do we get more female middle school and high school students involved in STEM? How do we encourage these students to stick with STEM as they plan for college?

02

BACKGROUND

The problem at hand is that a majority of female students start to lose their interest in STEM jobs between the ages of 12-15 years-old. There is a misconception that science needs to be made “girly” in order to maintain the interest of girls but in the end, this will only drive them further away. The **biggest issue** is that from the ages of 12-15 we start to hear negative stereotypes, see the lack of other girls in STEM classes, and figure out that female scientists are paid significantly less than men. Therefore making getting involved with STEM a risky path filled with minimal support and backlash, and this poster is a guide on how we are going to change that.

03

DO'S

Solutions

04

DONT'S

- **1 Pint** of creating opportunities to show off how women in STEM do not follow a dress code and **every kind of girl can be a scientist.**
 - One of the solutions that I have executed is publishing a children's book to reach a younger female audience and showcase diversity in STEM!
- **A sprinkle of support from big organizations.** A major step SWE could take is teaming with other groups such as Girls on the Run to spread the knowledge of STEM through female-only clubs. According to research, **all-girl schools produce over 50% more STEM works than co-ed due to no intimidation from being the only girl in class.**

- **Use unique and new appliances:** While female representation is beneficial to solving the issue at hand, **companies should stop trying to make science cater to the stereotypical girl.**
 - Showing girls how a flatiron works is **not an efficient way to get girls interested in STEM.**
- **Do not forget to use all of your ingredients:** too many organizations overlook teaching elementary school students (especially girls) about STEM careers purely because of **underestimating how well they will understand STEM topics, and this has to stop.**

SOURCES

• <https://phys.org/news/2018-09-reveals-patterns-stem-grades-girls.html>

• <https://www.psychologytoday.com/us/blog/rabblerouser/201707/why-brilliant-girls-tend-favor-non-stem-careers>

• <https://qz.com/585255/girls-dont-have-to-be-lured-into-science-science-has-to-stop-pushing-them-out/>