



STEM Education Leadership

Laura Tew

Greensboro (NC) Branch STEM Chair 2014 to present
North Carolina STEM Chair July 1, 2023 to present
Kavya Donepudi - intern; Western Guilford HS
stem@aauwnc.org

Background:

1960s only 1% of engineering majors were women

1972 Title IX of the Education Amendments

2001 Biologist and director at the NSF (National Science Foundation) Judith Ramaley coined STEM

2022 Only 21% (only 2.5% Black) of engineering majors and 19% of computer science majors are women.

Conclusion: Title IX is not enough. We must address the systemic barriers and increase girls' interest in STEM.

AAUW STEM Education Leadership

This presentation will cover current AAUW expectations and guidance for state and branch STEM leadership roles.

Laura will provide decisions and experiences for STEM Education leadership in North Carolina at the State and Branch levels.

Kavya will share her experiences as a student and as a leader/instructor/intern with AAUW GSO Teen Near Peer Mentors.

Laura Tew - the second AAUWNC STEM Education Chair:
Christi Whitworth was first: AND the second Greensboro
Branch STEM Chair; Lakshmi Iyer was first.

AAUW STEM Education - state and branch leadership roles
[NC State STEM Leader Description](#)

[Branch STEM Leadership Description](#) from AAUW National
tool kit for branches

Greensboro Branch Committee

Andrea Alemanni-Grunwald, Precious McKoy, Stephany Ghotbi-Teheri, Lena Murrill-Chapman, Tiffany Jacobs, Princess Ferguson, Lakshmi Iyer, Chioma Okey-Mbata

Laura Tew, Chair

Kavya Donepudi, Intern

Purpose of STEM Education & STEM Education Chair

WHAT: to champion women's representation in STEM by **encouraging women and girls to pursue these educational and career fields.**

HOW: Chairs are expected to **initiate and participate in local STEM events** and be effective communicators for AAUW's STEM research and programmatic efforts.

What are the obstacles to supporting STEM Education

Do girls and women, 8 to 80, experience similar feelings of inadequacy in science and math?

How do we develop and maintain STEM curiosity, creativity, and courage at all ages?

NC STEM Education newsletters

<https://greensboro-nc.aauw.net/2024/04/16/aauw-stem-ed-newsletters-and-updates/>

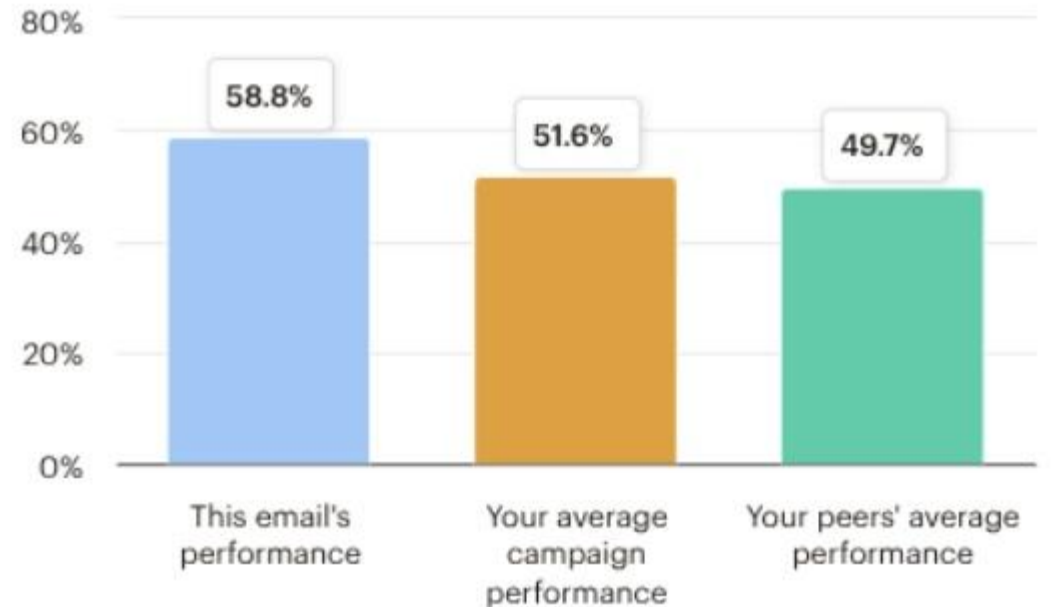
Back issues on the Greensboro Branch website; Subscribers are both branch members and community affiliates statewide.

How your email compares

Open rate

Click rate

Unsubscribe rate



STEM Collaboration with other Branch Committees

- College/university partnerships - summer camps at local universities and communities;
- Public Policy - Title IX advocacy
- Women in Nontraditional Careers - WINs
- Branch book group discussions: “Lessons in Chemistry”; “Starry Messenger”; “The Hidden Life of Trees”
- Membership to identify committee members



Kavya Donepudi - senior at Western Guilford High School

AAUW Greensboro Intern - website editor and STEM
Education Leader

Student in AAUW STEM Ed programs since fourth grade

Coding and cyber security instructor starting in ninth grade

Kavya Donepudi



AAUW Find Your STEM Conference, 9 March 2024
Joint School of Nanoscience and Nanoengineering



My STEM Path

- Junior at Northwest GuilfordHS
- Member of AAUW since 5th grade
- President of Your Future Club, VP of UNICEF, member of NTHS
- NC General Assembly page & Governor page
- Luv Micheal team leader (13 mem.) (raised +&1000)

Experiences

- Certified in Java Script and Python
- Excel and Excel Expert Certified
- Charlotte Metropolitan and Piedmont Triad Affilliate WINNER
- TechGirlz Instructor (Intro to CyberSecurity)
- Presidents Volenteering Award (bronze)

Future Goals

- Major in CyberSecurtly and Privacy
- Go to Law School then become a privacy lawyer
- Win the National Computing Award (NCWIT)
- Leadership role in NTHS
- Get my Cyber Crime and Digital Forensics Certificate

Greensboro Branch programs

Since 2018, AAUW G STEM programs have been awarded over \$80,000 in grants to fund:

- Triad Tech Savvy grant from AAUW in 2009
- IT for Girls five day summer camp for 4th to 6th
- Find Your STEM - one day enrichment for 7th to 12th
- Aspirations in Computing NCWIT - for 9th to 12th*
- Intersection UNCG - STEAM five day camp 4th to 8th
- Technology4Good - UNCG grant from Lee Enterprises

*Since 2018, AAUW G STEM has sponsored 22 high school girls who have earned approximately 60 Aspirations in Computing (AiC) recognition awards





Find Your STEM Conference 2024

High School Leaders and Near Peer Mentors



<https://www.aspirations.org/registration>