



STEM Goes Red™

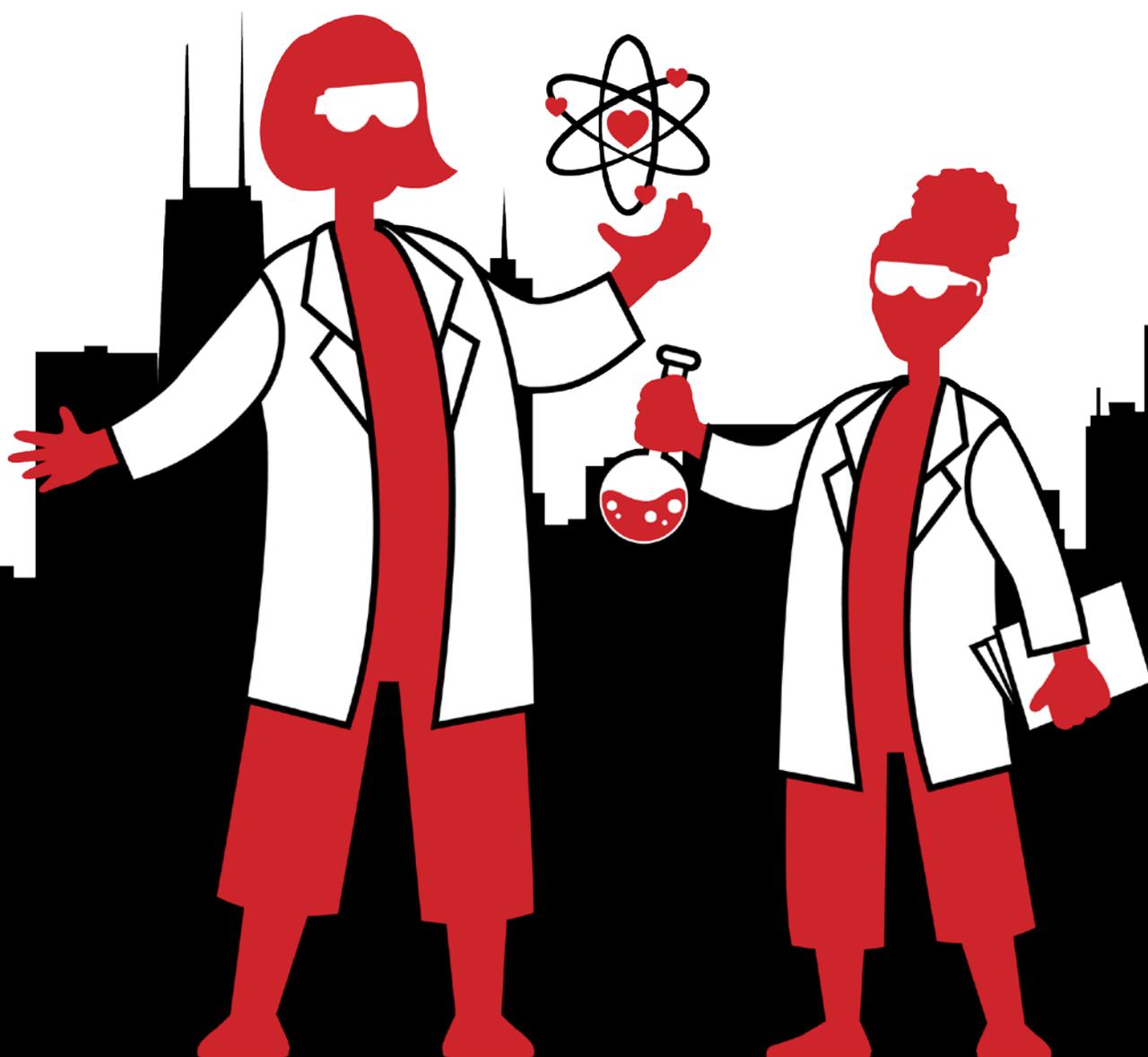
Chicago

STEM Goes Red

Fall 2023

Engaging Your School

To inspire the next generation of women in STEM to make advancements and have impact on the health and future of our community.





STEM Goes Red™

Program **OVERVIEW**

Curriculum Overview

Girls hold the power to change the world around them. Through the **STEM Goes Red** program, students will be exposed to real-world women's health challenges and be part of the solution.

Prior to the program, girls will read about women's health inequities that are taking place in our communities.

During the program, girls will:

- Develop a STEM solution for a real-world, health inequities
- Participate in hands-on breakout sessions teaching them a new skill in STEM from professionals in the industry
- Have mentors serve as consultants and role models throughout the program and form meaningful relationships
- Pitch their potential STEM solution for the health challenge in front of an audience

Teachers and Chaperones will be able to take part in a specific breakout session for them around foster STEM curious in kids and hands-only CPR.

After the program, girls will be able to stay connected to their mentors to help navigate the next steps to their STEM future as well as apply for a **STEM Goes Red scholarship**.

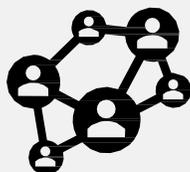
This program will touch on **Next Generation Science Standards** for Illinois making the out-of-school time value for a school's investment. Examples include HS_ETS1-1, HS-ETS1-2, HS-ETS1-3, HS.Human Sustainability

STEM Goes Red brings interesting careers in science, technology, engineering and mathematics to life for young women by giving them access to leading employers and experts and an insider look at what they do.

Hands-On
Learning
Experiences



Mentoring
Experiences



Learn from
Professionals in a
Variety of STEM Roles



Learn About CVD
and Living a
Healthy Lifestyle



Close the Gender Gap in STEM by Engaging Diverse Female Students in an Inclusive and Fun Learning Environment

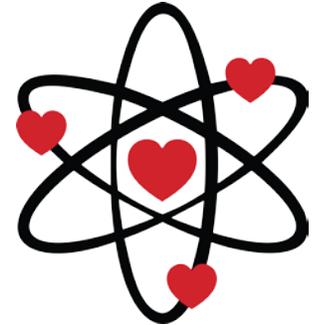


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Great Potential is Not Being Realized

Today's economy and tomorrow's wellbeing depend on innovations in science, technology, engineering and mathematics, the four fields collectively known as STEM. Despite women accounting for more than half of the college educated workforce, a troubling gender gap persists in STEM careers. Women, especially women of color, make up a small share of scientists and engineers. Of 100 female students working toward a bachelor's degree, only three will work in a STEM job 10 years after graduation. Even more troubling, **by 2030, roughly half of vacant STEM jobs will be in health care.**



Creating Change Together

With support from local communities, employers and schools, **STEM Goes Red** helps brilliant young women become leaders of tomorrow by uncovering their potential and find their path today.

We must develop a robust pipeline of innovators who will develop the research, technology and innovations that will eliminate heart disease and ensure health equity in our communities.

The American Heart Association and STEM

Fortune 500 companies, start-ups, moms, and the women in girls lives everywhere know what we know: Setting a new generation of female scientists, doctors, inventors and changemakers is a critical step in securing their future, as well as our own.

That's why the American Heart Association is working to close the gender gap in STEM through an educational program called **STEM Goes Red**. STEM Goes Red is designed to provide girls insights into the possibilities and potential they possess to make a real impact on the world around them through STEM. The program draws from the Association's strong legacy of science, education and discovery to help propel young women into rewarding careers in STEM.

STEM Goes Red brings interesting careers in science, technology, engineering and mathematics to life for young women by giving them access to leading employers and experts and an insider look at what they do. **STEM Goes Red** attendees will gain hands-on experience, connect with inspiring professionals, and learn about careers in STEM

Walk away feeling like a whole new world of STEM has been revealed—a world in which they can truly love what they do and make a tremendous impact.



Engaging Bright Young Minds

What Girls are Saying about the Program



Jazmin Bernal
2020 STEM Goes Red Participant
2020 Scholarship Awardee
UIC | Student

"Attending the STEM Goes Red experience provided me with the opportunity to ask questions to professionals that work in all kinds of fields. The topics of the questions ranged from balancing professional and home lives, to higher education, and even just personal interests. I also had the chance to watch a live open-heart surgery. This on it's own was very inspiring as becoming a physician is a personal goal of mine."

"The American Heart Association is great organization that has opened up incredible opportunities for me. Even just attending their program brought me closer towards realizing my career as it encouraged me to keep pursuing the medical field despite any obstacles I face."

"By attending the STEM program, I was introduced to influential figures in a variety of STEM industries that I really resonated with. This gave me more of a motivation to pursue college so I could carry on their legacy of inspiring others and pass it on to future students. "

"...throughout the event, I was introduced to so many different professionals and their stories of how they got to where they are today. Hearing their hardships and how they overcame them was inspiring and motivating, and I wanted to be just like them. **For the next generation of student attendees, I can't recommend attending the AHA STEM Goes Red event enough.** I felt ready to take on college and a future career as a nurse, despite the hurdles I'll face, because I knew I could make it to the other side. "



Kimberly Salgado
2021 STEM Goes Red Participant
2021 Scholarship Awardee



STEM Goes Red™

ENGAGE YOUR SCHOOL

Calling on interested Student Coordinators, STEM program leads, and teachers:

STUDENT CRITERIA

Female high school students in grades 9-12 who want an introduction to the exciting fields of STEM and health for all.

- All attendees must be registered students who are 14+ years of age on the event date
- Students must be accompanied by a chaperone(s) for the entirety of the event
- Each student will be required to register as a participant and have a parent or guardian sign a permission slip and photo release.

EVENT INFORMATION

Thursday, November 16th, 2023

8:30am-2pm

Rush University Medical Center | Chicago, IL

Tentative Agenda:

- Keynote speakers
- Hands- on Workshops
- Speed Mentoring session
- Networking for educators, mentors, and sponsors

Light breakfast, snacks and lunch will be provided

REGISTRATION INFORMATION

The dedication of our STEM Goes Red supporters will help connect, innovate, influence and advance our mission: To inspire the next generation of women in STEM to make advancements and have impact on the health and future of our community.

Interested in registering your school and students for STEM Goes Red?

Contact ChicagoSTEM@heart.org or Jennifer.Lee@heart.org



STEM Goes Red™

Thank You to Our Sponsors

Platform



GE HealthCare

Signature

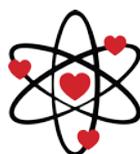


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Girls with Heart STEM Scholarship Sponsor



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STEM Goes Red™

Girls with Heart

SCHOLARSHIP

The American Heart Association's Go Red for Women movement and generous donors developed the Girls with Heart Scholarship with the goal of bridging the gap between student interests in pursuing a career in a STEM field and achieving their goals.

The Girls with Heart Scholarship will award scholarships of up to \$5,000 to girls selected as honorees. Once your school attends a STEM Goes Red program, high school students (12th grade) become eligible to apply for this award!

Qualification Requirements:

- Previous Chicago STEM Goes Red event participant
- Must be in 12th grade
- Minimum 3.0 GPA
- Identifies as a girl
- U.S. citizen/permanent resident of the U.S.
- Applying for funding for the following:
 - Attendance at a college or university with the intent to major in a STEM-related field
 - Attendance at a vocational or technical trade institution with a focus on earning a degree/certificate in a STEM-related field
 - Enrollment in a STEM enrichment program
 - Funding towards an SAT/ACT prep program
- Past award recipients are not eligible to re-apply

In addition to meeting the scholarship qualifications, a review committee will select finalists based on:

- Academic achievement
- Interest and commitment to pursue a career in a STEM field
- (1) Five (5) paragraph essay (500 words maximum, typed, double-spaced, one-sided) which addresses two of the application questions.
- (2) letters of recommendation; (1) from an educator and (1) from a community service representative (organization, employer, clergy or coach). Qualities should include maturity, motivation, self-confidence, leadership, interest & commitment to STEM, and potential for success.

Application submissions for 2023 "Girls with Heart" Scholarship will be accepted via email to ChicagoSTEM@heart.org through 12/20/2023. Awarded Scholarship recipients will be notified January 2024. All notifications are final. Scholarship awards will be distributed to coincide with the Summer 2024 /Fall 2024 (current seniors) semester and will only be distributed to an accredited college, university or trade institution or program approved by the review committee. Individuals are not eligible to receive direct funds.

For additional information, please contact ChicagoSTEM@heart.org or Jennifer.Lee@heart.org