Mission
The mission of Girls 4 Science is to enrich the lives of girls through early exposure to the study of science, technology, engineering and math (STEM) and women of color practicing in STEM fields; hands-on problem-based learning and mentorship for careers in STEM fields.

Vision
Girls 4 Science endeavors to create a sustainable pipeline for women of color in STEM careers.

Saturday STEM Academy
Girls 4 Science fulfills its mission through its Saturday STEM Academy, which provides hands-on experiential learning and mentorship in STEM for girls age 10-18 years from Chicago and its surrounding communities. The Saturday STEM Academy’s innovative program model is based on evidence that science exposure and increased science literacy will equip young girls with the knowledge and confidence needed to pursue study in the sciences and careers in STEM.
Year Two of the Pandemic

Girls 4 Science had a successful year and introduced enhancements to its Saturday STEM Academy. Online programming continued throughout 2021 and attendance was at or near capacity. Beginning with the Winter session in January, the high school and middle/elementary school girls attended separate classes, which provided more age-appropriate curriculum and activities. We thank the Avantor Foundation, which provided a one-year grant to support the high school program.

We welcomed three new Board members and provided a record 10 scholarships to high school seniors. Girls 4 Science Alumni held an inaugural meeting in March, and in the summer hosted a Virtual Mixer with the Saturday STEM Academy high school students, which featured a workshop on financial literacy and recommendations on budgeting for college.

Girls 4 Science saw record revenues in 2021, thanks to the generosity of our corporate, foundation and individual donors, which we are pleased to recognize in this annual report.

Sincerely,

Jackie Lomax
Founder & Executive Director
Girls 4 Science
## 2021 BY THE NUMBERS

### Saturday STEM Academy

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td># Participants</td>
<td>397</td>
</tr>
<tr>
<td>New Registrants</td>
<td>157</td>
</tr>
<tr>
<td>Elementary/Middle School (grades 4-8)</td>
<td>258 (65%)</td>
</tr>
<tr>
<td>High School (grades 9-12)</td>
<td>139 (35%)</td>
</tr>
<tr>
<td># Zip Codes represented</td>
<td>78 Chicagoland, 6 Out of State</td>
</tr>
<tr>
<td>American Indian, Alaska Native, Other</td>
<td>1 (&lt;1%)</td>
</tr>
<tr>
<td>Asian (including Indian subcontinent, Middle East, Phillipines)</td>
<td>37 (9%)</td>
</tr>
<tr>
<td>Biracial</td>
<td>12 (3%)</td>
</tr>
<tr>
<td>Black/African American (including Africa and Caribbean)</td>
<td>263 (66%)</td>
</tr>
<tr>
<td>Hispanic/Latina</td>
<td>41 (10%)</td>
</tr>
<tr>
<td>White (including European Ancestry)</td>
<td>34 (9%)</td>
</tr>
<tr>
<td>Prefer not to say</td>
<td>9 (2%)</td>
</tr>
</tbody>
</table>

G4S participants represent nearly 80 zip codes from Chicago and its surrounding communities.
Girls 4 Science is excited to announce three new members joined its Board of Directors in 2021: Susan Rogers, MD, FACP, Riva R. Trivedi and Jacqueline Williams.

Susan Rogers, MD, FACP is the President of Physicians for a National Health Program, which advocates for universal, comprehensive single-payer national health insurance and believes that access to high-quality health care is a right of all people and should be provided equitably as a public service rather than bought and sold as a commodity. Dr. Rogers recently retired from Stroger Hospital of Cook County where she was co-director of medical student programs for the Department of Medicine and received numerous teaching awards from students and residents.

Dr. Rogers is an Assistant Professor of Medicine at Rush University, where she continues to be an active member of the Committee on Admissions. She is a past co-president of Health Care for All Illinois, was Medical Director of the Near North Health Service Corp, a Federally Qualified Health Center in Chicago, and remained on its board for many years after she stepped down as Medical Director. Dr. Rogers is a Fellow of the American College of Physicians and a member of the National Medical Association.

Rogers received her medical degree from the University of Illinois College of Medicine and completed her residency at Cook County Hospital, where she served an additional year as Chief Resident.
Riva Trivedi grew up in the suburbs of Chicago and had a passion for STEM since her high school days at the Illinois Mathematics and Science Academy. She joined the Girls 4 Science Board of Directors in 2021 and is an active member of the Finance & Audit Committee. Currently, Riva is a private equity Senior Associate focused on healthcare investing at Waud Capital Partners, a private equity firm based in Chicago. Prior to joining WCP, Trivedi was an investment banking analyst in the Healthcare group at RBC Capital Markets. Ms. Trivedi holds a B.S.B.A., magna cum laude, in Health Sector Management & Policy, Finance, and Legal Studies from the University of Miami. She completed multidisciplinary coursework in both business and science. After graduating, Riva went to New York to work in healthcare investment banking. While in New York City, she also advised local entrepreneurs as a pro bono consultant, specifically on two projects in medical technology and early education. She will be an MBA candidate at Harvard Business School in 2022. In addition to her involvement with Girls 4 Science, Riva is an Advisory Board member of La Rabida Children’s Hospital and the NorthShore University HealthSystem.

Jacqueline Williams is Executive Director of the African American Arts Alliance, a position she has held since February 2021. Jackie has spent more than 25 years in Chicago’s philanthropic community as a development director for several non-profit organizations – including the DuSable Museum of African American History, South Side Community Art Center, Lincoln Park Zoo and the University of Illinois Urbana-Champaign – and has raised millions of dollars to support the arts and African American student education. Jacqueline is a graduate of the University of Illinois Urbana-Champaign, served as President of the Black Alumni Network for four years (2012-2016), and actively worked with incoming first-generation students to prepare for university life. As an alumna, one of her proudest moments was working to establish Illinois’ first All-Classes Black Alumni Reunion in 2008.
STUDENT RECOGNITION & AWARDS CEREMONY

The Student Summer Recognition and Awards Ceremony was held August 14, 2021, on the Zoom platform. The program featured a keynote speaker, the awarding of the Linda McGill Boasmond college scholarships and the presentation of certificates to the girls who participated in the Saturday STEM Academy. Girls 4 Science Program Coordinators, volunteers and mentors were also recognized. The Student Recognition & Awards Ceremony was sponsored by The Joseph & Bessie Feinberg Foundation.

Keynote Address

The keynote speaker was Ruby Mendenhall, PhD, Professor of Sociology, African American Studies, Urban and Regional Planning, Gender and Women’s Studies and Social Work at the University of Illinois at Urbana-Champaign. Dr. Mendenhall is currently directing the STEM Illinois Nobel Project, funded by the National Science Foundation, which provides students of color unprecedented access to computer science and other STEM fields. The Nobel project is also a pathway program to medicine and Nobel Scholars will be trained to become Community Health Workers and Citizen Scientists. Mendenhall’s research examines how living in racially segregated neighborhoods with high levels of violence affects Black mothers’ mental and physical health using surveys, interviews, crime statistics, police records, data from 911 calls, art, wearable sensors and genomic analysis. She also examines Black mothers’ resiliency and spirituality.
LINDA MCGILL BOASMOND SCHOLARSHIP RECIPIENTS

A record 10 Girls 4 Science high school graduates each received $1,000 Linda McGill Boasmond Scholarships at the Student Recognition & Awards Ceremony.

- **Sydni Branch**
  University of Illinois Urbana-Champaign
  Major: Biology or Pre-med

- **Cailyn Brookens**
  Michigan State University
  Major: Early Childhood Education

- **Reina Carter**
  Illinois State University
  Major: Mathematics

- **Brooklyn K. Denman**
  University of Illinois at Chicago
  Major: Computer Engineering

- **Karmon Hearan**
  Malcolm X City College of Chicago
  Major: Nursing

- **Rebecca Janovsky**
  North Park University
  Major: Chemistry

- **Kyndal Maclin**
  Morgan State University
  Major: Computer Science

- **Kennedy Morris**
  University of Michigan
  Major: Earth and Environmental Science

- **Anise Puckett**
  Spelman College
  Major: Economics

- **Lina Spielman**
  Moraine Valley Community College
  Major: Polysomnographic Technology
Since 2013 Girls 4 Science has provided more than $30,000 in scholarships for high school seniors who have completed at least 12 weeks of the G4S program and are applying for undergraduate study in a STEM field. Many thanks to Linda McGill-Boasmond and the Joseph & Bessie Feinberg Foundation for funding the 2021 scholarship opportunities through Girls 4 Science.

Linda McGill-Boasmond was the founding Chair of the Girls 4 Science Board of Directors and has funded the scholarship program since 2018. She is owner, President and CEO of Cedar Concepts, a manufacturer of chemicals for the personal care, home, agriculture and aerospace industries, among others. McGill-Boasmond runs the country’s first and only African American, woman-owned chemical manufacturing plant.

### Linda McGill-Boasmond Scholarship Recipients

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>College</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>Darcell Creswell</td>
<td>Western Illinois University</td>
<td>Graphic Communications</td>
</tr>
<tr>
<td>2013</td>
<td>Leona Barnes</td>
<td>Alma College</td>
<td>Art, Anthropology</td>
</tr>
<tr>
<td>2014</td>
<td>Brooklyn Payne</td>
<td>Wilmington College</td>
<td>Biology</td>
</tr>
<tr>
<td>2016</td>
<td>Sairyia Jemison</td>
<td>Northern Illinois University</td>
<td>Engineering/Industrial Management</td>
</tr>
<tr>
<td>2016</td>
<td>Kenyana Tyiska</td>
<td>University of Illinois Urbana-Champaign</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>2016</td>
<td>Lauren Lomax</td>
<td>Central Michigan University</td>
<td>Recreational Therapy</td>
</tr>
<tr>
<td>2017</td>
<td>Sydney Shaffer</td>
<td>Milwaukee School of Engineering</td>
<td>Civil Engineering/Environmental and Water Resources Engineering</td>
</tr>
<tr>
<td>2017</td>
<td>Nakia Chappell</td>
<td>Marquette University</td>
<td>Neuroscience</td>
</tr>
<tr>
<td>2017</td>
<td>Deasiah McIntosh</td>
<td>Eastern Illinois University</td>
<td>Criminal Justice</td>
</tr>
<tr>
<td>2017</td>
<td>Isabella Baumann</td>
<td>University of St. Thomas</td>
<td>Neuroscience</td>
</tr>
<tr>
<td>2018</td>
<td>Nia Autman</td>
<td>Northern Illinois University</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>2018</td>
<td>Eryn Brazil</td>
<td>University of Michigan</td>
<td>Movement Science/Public Health</td>
</tr>
<tr>
<td>2018</td>
<td>Sofia Santamaria</td>
<td>Joliet Junior College</td>
<td>Communications</td>
</tr>
<tr>
<td>2018</td>
<td>Erika Jones</td>
<td>University of Michigan</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>2018</td>
<td>Aerial Shaffer</td>
<td>Washington University in St. Louis</td>
<td>Biology</td>
</tr>
<tr>
<td>2019</td>
<td>Samaree Ames</td>
<td>Richard J. Daley City College of Chicago</td>
<td>Computer Technology</td>
</tr>
<tr>
<td>2019</td>
<td>Ariana McCray</td>
<td>University of Kentucky</td>
<td>Biopharmaceutical Engineering</td>
</tr>
<tr>
<td>2019</td>
<td>Morgan Pratt</td>
<td>University of Illinois - Chicago</td>
<td>Biology</td>
</tr>
<tr>
<td>2020</td>
<td>RaMaya Johnson</td>
<td>Augustana College</td>
<td>Pre-medicine</td>
</tr>
<tr>
<td>2020</td>
<td>Summer Smith</td>
<td>New York University</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>2020</td>
<td>Becky Harris</td>
<td>Joliet Junior College</td>
<td>Biology</td>
</tr>
</tbody>
</table>
The heartbeat of Girls 4 Science has been two incredible women, Janice Feinberg, PharmD, JD, President of the Joseph and Bessie Feinberg Foundation and Barb Pasulka, accountant at KSMB Associates. The duo serve as Pro Bono Consultants and have invested hundreds of hours reinforcing Girls 4 Science finances, policies, procedures and practices for long-term stability. The impact of their commitment to Girls 4 Science has resulted in development and expansion of the staff and Board of Directors, an enriched student experience and financial growth. Girls 4 Science honored Janice Feinberg and Barb Pasulka with its 2021 Service Award at the Student Recognition & Awards Ceremony. The awards were presented by Girls 4 Science Board member, Monica Gordon.
**SATURDAY STEM ACADEMY**

**High School Program Launched in 2021**

Girls 4 Science began offering separate classes for high school students (grades 9-12) with the Winter 2021 Saturday STEM Academy session on Microbiology. Content is more rigorous with enhanced, age-appropriate curriculum, evaluation, and hands-on, experiential learning activities tailored to high school students. Girls 4 Science received a grant from the Avantor Foundation to support the Saturday STEM Academy high school program for one year, the Summer and Fall sessions in 2021 and the Winter and Spring 2022 sessions.

Avantor®, a Fortune 500 company, is a leading global provider of mission-critical products and services to customers in the biopharma, healthcare, education, and government, and advanced technologies and applied materials industries. Avantor believes that the best way to ensure the future of science is by investing in science education. Yet the number of students pursuing science and technology degrees, especially among women and minorities, is low. To help address this, the Avantor Foundation funds community-based organizations that teach science and technology to underserved high school students. The Avantor Foundation’s mission is to create a better world by advancing science education and providing healthcare to those in need.

girls4science.org
Winter 2021 Saturday STEM Academy

Girls 4 Science kicked off 2021 with the Winter Saturday STEM Academy on Microbiology, which was a huge success. There were 84 middle school and 34 high school students who attended via the Zoom platform, including several girls from out of state. Students in 4th-8th grade attended class from 10:00 am to 12:00 pm and high school students attended class from 1:00 pm to 3:00 pm. Age-appropriate curriculum was developed for each group and Supplemental Materials were provided each week to enhance the learning experience. Students received their own 52-piece Microscope Kit, supplies to grow and study bacteria and a Laboratory Journal to record their observations.

Tenth grader Violet Jackson, of Orland Park, poses with her Microscope Kit.

Thanks to a donation from POWER Masks for Humanity, we were able to distribute PPE during the STEM Kit pick up.

The Winter 2021 session of the Saturday STEM Academy was supported, in part, by a grant from Camelot Illinois.

Spring 2021 Saturday STEM Academy

The Spring 2021 session on Botany and Ecology introduced students to plant classification and structure, photosynthesis, fertilization, reproduction, growing plants without soil and principles of ecology, including ecosystems and the food chain. Students dissected and germinated seeds, planted and tracked the growth of seedlings and conducted experiments in phototropism, photosynthesis and how plants drink. Fifty-four middle school students and 24 high school students attended.

< How plants drink >

Bean embryos
Summer 2021 Saturday STEM Academy

The Summer session on Cosmetic Chemistry introduced students to cosmetic science, types of cosmetics, the cosmetic industry and trends, surfactants and the science of soaps and lotions. Activities included making lip balm and lip gloss, glitter nail polish, hand sanitizer, lotion and soap. Forty high school and 58 middle school students attended.

The 2021 Summer Saturday STEM Academy was funded in part by a grant from the Parker Hannifin Foundation.

The Summer session concluded with the Student Awards and Recognition Ceremony on Saturday August 14.

Fall 2021 Saturday STEM Academy

Robotics/Bioengineering was the topic for the Fall session. Students learned the history of robots and robots in the workplace, coded a Sphero Mini Coding Device, assembled a 14-1 Solar Robot and used a STEM journal to document their weekly activities. The Fall session was attended by 56 middle school and 33 high school students.

The Fall session was funded in part by a grant from Breakthrough Technologies. The high school session was funded by the Avantor Foundation.
GIRLS 4 SCIENCE IN THE COMMUNITY

On the February 4, 2021 episode of the Greater Than Zero Percent podcast Jackie Lomax, Founder/Executive Director of Girls 4 Science, discussed how important community involvement is for the development of future STEM leaders.

Truman College hosted a panel discussion on February 25, 2021 during Black History Month as a segue into Women’s History Month. Executive Director Jackie Lomax and Girls 4 Science Alumna, Sairyia Jemison, were invited to discuss how exposure, experiences, and even implicit biases that young women experience can or may have impacted their beliefs about their ability to pursue and excel in the STEM fields.

Zeta Phi Beta Sorority, Tau Psi Zeta Chapter presented its Organization of the Year Award to Girls 4 Science at its Finer Womanhood Scholarship & Awards Presentation on March 13, 2021.

[Left] Executive Director Jackie Lomax accepts the Organization of the Year award on behalf of Girls 4 Science from Natasha Carter, representative of the Tau Psi Zeta Chapter of Zeta Phi Beta Sorority.

Girls 4 Science Founder and Executive Director Jackie Lomax [Right] was honored with the Chicago Defender Women of Excellence Award, which celebrates local African American women who inspire others through their vision and leadership, exceptional achievements, and participation in community service. They are women who exemplify extraordinary stature, poise and grace. These women do it all while maintaining the delicate balance of filling the roles of helpmate, mother, teacher and professional. The 2021 Class join an elite group of influential and inspirational women positively affecting their communities through their leadership. The 2021 honorees were formally inducted in a virtual ceremony live on the Chicago Defender’s Facebook page on May 21, 2021.
Horizon Therapeutics – a corporate supporter of Girls 4 Science – and the Chicago Cubs announced a Legacy Partnership, which includes an innovative, citywide science camp and fair that allows middle and high school students to explore the connection between science and baseball as well as showcase their STEAM talents. Girls 4 Science was invited to the inaugural **Cubs STEAM Program** on October 2, 2021, at Wrigley Field. Seven Girls 4 Science students presented STEM posters and received a behind-the-scenes tour of Wrigley field, attended a panel discussion on STEM careers in the sports industry, met some retired Cubs players and saw exhibits that celebrated the Cubs history.

Seventeen Girls 4 Science students attended a three-day **Aviation Camp** at Lewis University in Romeoville, IL July 12-14, 2021. The camp was sponsored by Ingredion, Incorporated, and included flight simulation, airplane maintenance, flying drones, and flying an airplane assisted by Lewis University Aviation Ambassadors. The students enjoyed a flight, practiced flight simulation, watched drone demonstrations and toured an MD-80 aircraft.

**A Double Good Popcorn Fundraiser**

The Girls 4 Science Advisory Board held its Double Good Popcorn fundraiser October 5-9, 2021. Girls 4 Science students, alumni, parents, volunteers, Program Coordinators, Board members and friends were able to sell $17,278 worth of popcorn in just 4 days to 340 supporters in 29 states! 50% of each dollar sold benefits Girls 4 Science and will keep the Saturday STEM Academy free for all girls who want to attend.
The Girls 4 Science Alumni held an *inaugural meeting* on March 17, 2021, via Zoom and expressed interest in meeting two to three times per year, serving as mentors to the G4S high school students, volunteering for or speaking at the Saturday STEM Academy, being introduced to STEM professionals and exploring mentorship as they navigate graduate school and career opportunities.

The Girls 4 Science Alumni hosted a *Virtual Mixer* with the Saturday STEM Academy high school students on July 27, 2021. The guest speaker was Myiah Williams *(Pictured Left)*, a 2021 graduate of Central Michigan University with a Bachelor of Science degree in Business Administration, Accounting and Finance. Myiah is an analyst at Peloton Consulting Group and a Girls 4 Science Volunteer. She led a workshop on financial literacy and recommendations on budgeting for college.

On October 28, 2021, Girls 4 Science hosted a *Virtual Resource Event* for alumni and high school students from the Saturday STEM Academy featuring representatives from several community partners who discussed opportunities for involvement with the organizations.

- Association for Women in Science Chicago chapter encouraged students and alumni to join its college chapter.
- Chicago Healthcare Institute, which focuses on the allied health professions, described its six-week phlebotomy technician training course and job opportunities for Certified Phlebotomy Technicians.
- Chicago State University informed the group about its RISE Academy and free tuition and fees scholarship for first year students.
- Mechanical Contractors Association of Chicago expressed the need for females to apply for its scholarship programs for students enrolled in Industrial Technology, Construction Management, Engineering, and other disciplines related to the Mechanical Construction and Service industry.
- Minorities in Healthcare described its year-long Mentorship Program for minority high school seniors who are interested in pursuing a career in healthcare.
Welcome to the Girls 4 Science Alumni Association! This alumni community is a place of continued encouragement, support, and education for the Girls 4 Science alumni. We’re excited to reconnect with you and learn about what you’re doing now.

The goal of the Girls 4 Science Alumni Association is to engage alumni with current Girls 4 Science students and programs. We provide professional development resources such as:
- Video Tutorials
- Interview Help
- STEM News
- Networking Opportunities
- Self-Assessment Tools
- Volunteer Opportunities

Resources will be available to alumni on the G4S website, quarterly newsletter, alumni Facebook group, and the alumni Instagram.

Subscribe to our newsletter, join our alumni Facebook group, and follow us on Instagram to stay up-to-date with Girls 4 Science.

The Girls 4 Science website Alumni Association page provides professional development resources, including video tutorials on interview help, professional networking, resume writing and self-assessment tools, and volunteer opportunities with Girls 4 Science. G4S Alumni can stay connected by joining the Girls 4 Science Alumni Group on Facebook and Instagram, and subscribing to the G4S Alumni Newsletter, which will feature alumni spotlights, news, achievements related to women in STEM, and updates on current Girls 4 Science programs. The newsletter will also include information about local networking opportunities and provide tips to help G4S alum succeed in college, careers, and beyond.
“My two daughters have participated in Girls 4 Science since 2015. Through this program, Ms. Lomax has afforded us an opportunity we otherwise would not have had. Programs like the Saturday STEM Academy cost thousands of dollars, but Jackie Lomax has found a way to provide this STEM education free of charge! At Girls 4 Science, my children have been exposed to topics in STEM that are relevant to everyday living. In the Winter 2021 microbiology session, my 13-year-old learned about COVID-19 and the mRNA technology used in the emergency use vaccines developed by Moderna and Pfizer. Relating STEM to real world circumstances has made my children interested, and Girls 4 Science puts them on an academic trajectory that makes their future even brighter.”

K.J. Muhammad, MS, CADC
Girls 4 Science Parent
WHY STEM?

In an ever-changing, increasingly complex world, it is more important than ever that youth are prepared to bring knowledge and skills to solve problems, make sense of information, and know how to gather and evaluate evidence to make decisions. These are the kinds of skills that students develop in science, technology, engineering, and math—disciplines collectively known as STEM. Science, technology, engineering, and mathematics have always been the foundation for inspirational discovery and transformative technological innovation.

STEM education helps students gain the skills required to succeed in today’s challenging world, including the ability to think critically and solve complex problems along with soft skills such as cooperation and adaptability. STEM education creates critical thinkers, increases science literacy, and enables the next generation of innovators.

STEM literacy and STEM skills are increasingly important for all people to succeed in the workplace and in their everyday lives. To simply function as an informed consumer and citizen in a world of increasingly sophisticated technology requires the ability to use digital devices and STEM skills such as evidence-based reasoning.

STEM employment in the U.S. continues to grow at a faster pace than employment in other occupations, and STEM workers command higher wages than their non-STEM counterparts. STEM degree holders enjoy higher earnings, regardless of whether they work in STEM or non-STEM occupations.

WHY GIRLS?

Women comprise 50% of the American population and more than 50% of the college-bound population, yet they remain underrepresented in the STEM fields, especially women of color. While nearly as many women hold undergraduate degrees as men, they make up only about 30% of all STEM degree holders.

The gender gap in STEM begins with education. In childhood and adolescence, girls’ interest in STEM is dampened by stereotypes and cultural norms that consistently portray ideal scientists, engineers and technology innovators as male. Girls participate in high level math and science courses at similar rates as males as they move into high school, and then a gender gap in participation starts as girls take fewer of the more advanced STEM courses as they get closer to college. This gap widens the longer girls are in school and larger gaps exist between students of different racial and ethnic backgrounds or family income.

There are several measures that can help build STEM identity
and interest among girls – especially girls of color – including extra-curricular and single-sex programs, Black and female role models and project-based instruction. Informal STEM experiences are useful to girls, as they provide unique opportunities to engage and connect with science in an inquiry-based manner without the academic requirements of memorization and standardized testing. Such programs can have profound impacts on girls at the time when they are involved, and these impacts relate directly to their confidence, attitudes, and future plans.

WHY GIRLS 4 SCIENCE?

G4S targets girls age 10-18 years, primarily from low- and moderate-income communities. The Saturday STEM Academy’s innovative program model is based on evidence that science exposure and increased science literacy will equip young girls with the knowledge and confidence needed to pursue study in the sciences and careers in STEM.

Early exposure to STEM fields, specifically in an all-girls environment with hands-on, problem-based learning, can combat the negative stereotypes and attitudes that contribute to the under-representation of women in many STEM fields. This is especially true for girls of color. Increasing the opportunities for science exposure for girls will affect change in multiple areas including self-esteem, post-secondary study and increased employment opportunities.

The Girls 4 Science Saturday STEM Academy employs strategies that have proven successful in increasing girls’ interest in, positive attitudes toward, and identification with STEM. The evidence-based aspects of the program include:

- Single-sex program.
- Science exploration through project-based instruction with emphasis on creativity, problem-solving, hands-on, small group experiential learning and teamwork, which fosters a growth mindset, self-confidence and collegiality.
- Field trips to corporations, organizations, cultural institutions and other sites that provide opportunities to link the concepts learned in the STEM curriculum to real-world applications, and expose participants to a range of STEM industries, career options and working STEM professionals, especially women, to redefine how they see STEM.
- Mentorships to introduce participants to female role models – especially women of color – who are professionals in STEM fields, to help girls see potential futures and develop resilient STEM identities.
2021 DONORS

Girls 4 Science gratefully acknowledges all individuals, foundations, corporations, students, parents, Advisory Board members, and members of the Board of Directors who support the organization and tirelessly advocate on our behalf.

CORPORATIONS & FOUNDATIONS

$50,000 +
Joseph & Bessie Feinberg Foundation

$25,000 - $49,999
Abbvie
Avantor Foundation
La Crosse Community Foundation

$15,000-$24,999
Albert Pick Jr. Fund
Horizon Therapeutics

$10,000 - $14,999
Camelot Illinois
Illinois Manufacturers’ Association
Ingredion Incorporated
Vista Equity Partners

$1,000 - $4,999
Backstop Foundation
Breakthrough Technologies
Parker Hannafin
Patrick Spann Foundation
USG Foundation
Zurich American Insurance Company

INDIVIDUALS

$5,000 +
Linda M. McGill & Eric W. Boasmond

$1,000 - $4,999
Edith Williams

$500 - $999
Dolby
Exelon
Fervent Hearts Foundation

$250 - $499
Ingredion Charitable Foundation

$100 - $249
Amazon Smile
Enbridge
JW Landscapes
MacArthur Foundation
WarnerMedia

$50 - $99
Ms. Bea’s Historical Community Tours
Wiley Publishing, Inc.
Windy City Collectors
Workday

$25 - $49
Patrick Arns
Ghalid Bagus
Joyce Donaly
Janice Feinberg
Richard Godfrey
Ilene Gordon
Jeremiah LaPierre
Andre Idalgo Rodrigues
Susan Rogers
Amy Watson

$10 - $24
Kimberly Adams
Maxine Brown
Jim Dailey
Samuel DeFabrizio
Sophia DelDonno
Kristie Denman
Talina Edwards
Janet Falk
Bonnie Hagan
Kimberly Harris
Kristi Harris
Roxanne Junge
Philip Kemp
Geraldine King
Cheryl Leahy
Sam Lewis

Natasha Matza
Ruby Mendenhall
Felicia Owens
Asee Patel
Triniece Pollock
Maxine Roman
Mary Schmidt
Peter Simko
Riva Trivedi
Susan Viray
C.I. Wilson-Chappelle
Danielle Zuhlke-Smith

Under $100
Yemi Adetimirin
Marsha Allen-Edwards
Stacey Ann
Anonymous (64)
Vary Arrington
Mary Baker
Meredith Barry
Matthew Bear
Gracie Blue
Simona Bogode
Kristine Bounds
Karen Brooks
Jason Brown
Regiena Brown
Natasha Carter
Karen Chen
Elyse Colby
Debra D
Patricia D’Antonio
### Individual Donors

- Diane Darvey
- Ebony Dill
- Elizabeth Dixon
- Justin DuPere
- Perihan Elbadrawi
- Rebecca Elfring-Roberts
- Judy Evers
- Sam Feinberg
- Sarah Fewkes
- Heather Firebaugh
- Melissa Flax
- Deanne Folk
- Diamond Franklin
- Nadine Frassetto
- Kristina Garcia
- Rachel Germann
- Charlotte Gerrity
- Greta Glimm
- Taylor Graffa
- Summer Green
- Julia Hammond
- Carl Handy
- Adam Hasz
- Barbara Heaney
- Teran Heir
- Irene Helenowski
- Kayla Hernandez

---

### Double Good Popcorn Fundraisers

We salute the Board members, staff, students, families and friends who sold popcorn through their online stores and raised more than $8,500 for Girls 4 Science.

<table>
<thead>
<tr>
<th>Malaya Cook</th>
<th>Donna Jones</th>
<th>Dawn Milhouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janice Feinberg</td>
<td>Grace Junge</td>
<td>Milan Morales</td>
</tr>
<tr>
<td>Jenesis Freeman</td>
<td>Ericka Kroger</td>
<td>Joy Nunn</td>
</tr>
<tr>
<td>Audria Dawne Green Hawkins</td>
<td>Jackie Lomax</td>
<td>Aria Peel</td>
</tr>
<tr>
<td>Avery Ja</td>
<td>Logan Lomax</td>
<td>K Rashid</td>
</tr>
<tr>
<td>Milan James</td>
<td>Alissa Martin</td>
<td>Alexa Rivera</td>
</tr>
</tbody>
</table>

---

- Nathaniel Schulz
- Ruthmae Sears
- Rauland Sharp
- Ginger Sheri
- Jessica Siewertsen
- Dion A. Smith
- Lori Spelman
- Matthew Strong
- Mark Stulberg
- Stephanie Taylor
- Kathleen Thompson
- Chernise Turner
- Alison Van Duzor
- Alana Walker
- Keronn Walker
- Keesha Warren
- Mary Westad
- Jackie White
- Steven White
- Francine Williams
- Helen Williams
- Jacqueline Williams
- Shawna Wilson
- Kimberly Wise
- Clayton Worlds
- Kristin Wright
- Stephanie Yeh
The Microbiology program that Girls 4 Science offered for the Winter 2021 session of the Saturday STEM Academy helped me strengthen my knowledge about what microbiology represents and how it is relevant in the world we live in. I really enjoyed the female STEM role models who attended each class sharing information about their careers. I am currently a member of the Class 2022 and I know that once I go off to college Girls 4 Science will be a part of my STEM history as a student. I look forward to returning to Girls 4 Science as a female STEM role model in the future.

Nyah Joyce
Girls 4 Science Student
I started Girls 4 Science when I was in 7th grade. Before this program, science was always a second thought to me, but now I have gained so much knowledge in so many fields of science that it has become one of my favorite subjects. I will cherish the friends I have made and the teachers at Girls 4 Science for the rest of my life. Everyone is encouraging and friendly; they inspire each other to succeed and congratulate others on their accomplishments. G4S is an amazing program that encourages girls that they too can do great things no matter where they are from. I will treasure this experience my entire life and I hope all future girls who join the program will feel the same.

Lina Spielman
G4S Student
BOARD OF DIRECTORS

Onome Alabi  
Assistant Principal  
Carver Military Academy  
G4S Secretary  

Alan Brazil, CPA  
Chief Fiscal Officer  
Illinois Department of Human Rights  
G4S Chair, Board of Directors  

Robin L. Brown  
Vice President Government Affairs  
Ingridion Incorporated  

Monica Gordon  
Director  
Government Affairs & Community Relations  
Chicago State University  

Jackie Lomax  
G4S Founder & Executive Director  

Keith Moore  
Contract IT Trainer  

Synim Rivers, MPH, CHES  
Director  
Research & Development  
Communications  
Horizon Therapeutics  

Susan Rogers, MD, FACP  
President  
Physicians for a National Health Program  

Marie-Esther Saint Victor, PhD  
President & CEO  
Advanced Green Innovations  

Riva Trivedi  
Senior Associate  
Waud Capital Partners  

Anthony Williams, PhD  
Staff Scientist  
University of Chicago  
Co-Founder & Chief Scientific Officer  
Circulogix, Inc.  
Chair, Finance & Audit Committee  

Jacqueline Williams  
Executive Director  
African American Arts Alliance  

Danielle Zuhlke-Smith  
Senior Manager  
Global Supply Chain  
Ingridion Incorporated  

Advisory Board

The Girls 4 Science Advisory Board comprise community leaders who assist in strategic development and fundraising, and planning, promotion and execution of Girls 4 Science events.

Yaqui Benson  
Kemper Corporate Services  

Pamela D. Borders  
Financial Consultant  
Robert Half International  

Audria D. Green Hawkins  
Outreach Director  
Chicago City Colleges  
Adjunct Faculty, Fashion Studies  
Department  
Columbia College Chicago  

Phyllis Hayes, EdD  
Founder & Professor  
CHANCE Program  
University of Illinois Chicago  

Donna Jones  
Ingridion Incorporated  

Mary Love  
Provider Network Consultant  
Blue Cross Blue Shield of Illinois  

Dawn C.H. Milhouse  
Executive Director  
Milhouse Charities  

Alexandria Morales-Garcia  
Joy Nunn  
Educator  
Chicago Public Schools  

Mattie Payne-Mallory  
Director  
TRIO-Student Support Services  
Moraine Valley Community College  

Shervon Vaulx  
Regional Safety Manager  
Illinois Central School Bus  

Ashley Wayman  
Floor Coordinator  
Advance Photon Source  
Argonne National Laboratory  

Christin Zollicoffer  
Vice President Community Health & Well Being  
Regional Director Diversity & Inclusion  
Trinity Health  

Staff

Program Director  
Dominique Patterson  

PROGRAM COORDINATORS

Olive Harvey City College  
Natasha Carter  
Zandra Chisolm-El  
Diamond Franklin  
Malcolm X City College  
Dezarae Brooks  
Noreen Corbett  
Danielle Merriweather-McDaniels  

University of St. Francis  
Sandrine Davis  
Sharell Howard  
Jennifer Klein-Roberts  

Volunteers

Girls 4 Science is indebted to its dedicated volunteers who generously give their time to the Saturday STEM Academy, Women in History event, Summer Student Recognition & Awards Ceremony and other Girls 4 Science activities.

Kimberly Adams  
Jenna Berting  
Jason Briski  
Chrissy Coles  
Cheryl Cozza  
Tammy Crossley  
Katie Davis  
Brittan Frankin  
Chuck Harris  
Donna Jones  
Lisa Kazmi  
Kwaku Okraku  
Gretchen Prem  
Monique Puckett  
Kannan Ramsay  
Sharidan Rickmon  
Bill Schmitz  
Ashley Wayman