



Girls 4 Science wrapped up 2022 with the Summer and Fall sessions of the Saturday STEM Academy, Student Recognition & Awards Program, Advisory Board Double Good Popcorn fundraiser and the Women in STEM fundraising event. It was a great year and we're looking forward to 2023!

WINTER 2023 SATURDAY STEM ACADEMY ON TECHNOLOGY

It's not too late to sign up!



technology
| tek' nālejē |
The application of scientific knowledge for practical purposes, especially in industry.

Saturday STEM Academy
6 Weeks of **FREE** science exploration,
field trips, mentorship

Saturdays:

January 14 – February 18

10:00 AM - 12:00 PM



IN PERSON Winter 2023 Session:

TECHNOLOGY

Three Locations

- Olive Harvey Community College - Chicago, IL
- Malcolm X Community College - Chicago, IL
- University of St. Francis - Joliet, IL

REGISTRATION OPENS:

NOVEMBER 6, 2022 (For All Students)

All NEW and RETURNING Students Must Register
@ www.girls4science.org click on the REGISTER TAB

Olive Harvey Program Coordinator –
Natasba Carter (sailorvenusc@aim.com)

Malcolm X Program Coordinator –
Danielle McDaniels (danimerri1@gmail.com)

University of St. Francis Program Coordinator –
Jennifer Klein-Roberts (kleinj21@yahoo.com)

Certified Instructors • State of the art science laboratories • Increased self-esteem • Peer to peer mentoring

REGISTER HERE

#GIVINGTUESDAY

Giving Tuesday, a global day dedicated to giving back, is held each year on the Tuesday after Thanksgiving. In 2022, thanks to a \$5,000 challenge grant from the Edith Williams family, Girls 4 Science raised more than \$7,000 to support its programs! We are so grateful to all of those who donated for their generous contributions.



G4S Executive Director Jackie Lomax (l) and Board Chair Alan Brazil (r) congratulate Women in STEM honoree, Pamela Borders (center).

Friends and supporters of Girls 4 Science gathered on October 12 at the beautiful Hilton-Ausmus Gallery in the Morgan Arts Complex for the Women in STEM fundraising event. Advisory Board member Pamela D. Borders was honored as the Female STEM Professional of the Year.

Three Girls 4 Science participants – Anase Daniel, Radhini Panchal and Logan Lomax – presented their projects in the Student STEM Showcase.



Logan Lomax (far right) talks with Women in STEM attendees about her project to design and build a robotic arm to help people with hand injuries stabilize and grasp objects.



Radhini Panchal (l) and Anase Daniel (r) in front of their project poster, Friction and Velocity: The Science of Going Fast.

The students were coached by Elizabeth S. Copper, MPH, MEd, a retired Chicago Public School science educator, Golden Apple recipient and Executive Director of the CPS Student Science Fair.



Attendees were enchanted by the large-format photographs of German artist Christian Voigt that were on display at the Hilton-Asmus Gallery.

The Women in STEM event was sponsored by The Joseph & Bessie Feinberg Foundation. We give special thanks to Arica Hilton for making her wonderful gallery available for the Women in STEM event.

FALL 2022 SATURDAY STEM ACADEMY

The Fall Saturday STEM Academy session on Pharmacology was held October 1 – November 5. Students were exposed to the many different careers in pharmacy, filled prescriptions in the pharmacy lab at Malcolm X College, learned about drug safety and the course requirements for a certificate or degree in Pharmacy Technology, and visited the International Museum of Surgical Science.

Calling All Girls 10 – 18 Years of Age ...

Saturday STEM Academy
6 Weeks of EREE science exploration, field trips, mentorship

Saturdays:
October 1 – November 5
10:00 AM - 12:00 PM

GIRLS 4 SCIENCE

IN PERSON Fall 2022 Session:
PHARMACOLOGY

Three Locations
• Olive Harvey Community College - Chicago, IL
• Malcolm X Community College - Chicago, IL
• University of St. Francis - Joliet, IL

**REGISTRATION OPENS:
AUGUST 7, 2022 (for all students)**
All NEW and RETURNING Students Must Register @ www.girls4science.org click on the REGISTER TAB

Olive Harvey Program Coordinator –
Natacha Carter (natocarter@ohc.edu)
Malcolm X Program Coordinator –
Dezanne Brooks (dezanne.brooks@ingredion.com)
University of St. Francis Program Coordinator –
Jennifer Klein-Bakers (jklein21@yahoo.com)

pharmacology [ˌfɑːrməˈkɒlədʒi] The branch of medicine concerned with the uses, effects, and modes of action of drugs.

Credited Internships • State of the art science laboratories • Increased self-esteem • Peer to peer mentoring



Girls 4 Science at the International Museum of Surgical Science

Representatives from Walgreens InclusivIT Resource Group, pharmaceutical company AbbVie and Malcolm X City College participated in a panel discussion on careers in pharmacy, work-life balance and the important role pharmacists play on the healthcare team. The panelists highlighted Pharmacy Technician training programs at City Colleges of Chicago, and the increased demand for pharmacists and pharmacy technicians in various practice settings.



L to R: Anne Cruz, Director of Information Technology Walgreens; Adam Schnepf, PharmD, Director Pharmacy Renewal Walgreens; Jayne Stigler, PharmD, Scientific Director Abbvie; Jose Soto, Jr., Adjunct Instructor Pharmacy Technology Malcolm X City College; Cornetta Levi, PharmD, MBA, Walgreen's Healthcare Supervisor.

The Fall session ended with a two-hour Leadership Workshop on November 5 at the Glencoe Park District, in partnership with the Rotary Club of Glencoe. The workshop focused on essential leadership skills and attributes, such as communication, feedback, motivation, trustworthiness, creativity, responsibility, commitment, diversity and integrity. The girls were grouped based on age and each group worked to define leadership in their own words, give examples of good and bad leaders and list the skills these leaders demonstrate or lack. Each group was led by mentors from the Rotary Club of Glencoe and leaders from the local community, including the United Methodist Church, Glencoe Park District, State

Farm Merrill Lynch, and the Rotary Club of Highland Park. The session concluded with a general session where the girls shared their aspirations and how they could grow to be leaders in the future. AbbVie donated the journals and pens for the workshop.



Girls 4 Science Leadership Workshop at the Glencoe Park District.

ADVISORY BOARD FUNDRAISER



The Girls 4 Science Advisory Board held its Double Good Popcorn fundraiser July 19-23. Girls 4 Science students, alumni, parents, volunteers, Program Coordinators, Board members and friends were able to sell \$15,502 worth of popcorn in just 4 days, with 50% of proceeds – \$7,751 – going to Girls 4 Science.

We thank the G4S leadership, students, families and friends listed below who opened popcorn stores to raise funds in support of Girls 4 Science.

K. A.
Ifeni & Morayo Akinbusuyi
Naliyah & Amirah Anderson
Kadence Baugh
Yaqui Benson
Zhaniyah Bloodson
Lily Bohanek
Kennedy & Kendall Davis
Aminah Doss
Auri Evans
Kennedi F.
Myra Faulkner
Jenesis Freeman

Alysse & Lexi Hayden
Taryn Holmes
Alaina Hudson
Frederick Irvin
Kulsoom, Sakina & Laila Jafferi
Milan James
Laila Panek
Marie-Esther Saint Victor
Alexi Shaffer
Valentina Venta
Veronica Weck
Kennedi Williams

SUMMER 2022 SATURDAY STEM ACADEMY

“Building” a jellyfish, dissecting a Dogfish Shark and testing water in the Chicago River were just a few of the activities the Girls 4 Science students experienced during the Summer Saturday STEM Academy on Marine Biology. Special thanks to the Illinois Mathematics & Science Academy for providing the content and training for the jellyfish modeling activity. Students also saw aquaponics and hydroponics in action at Metropolitan Farms, located on Chicago’s West Side.

Calling All Girls 10 – 18 Years of Age ...

Saturday STEM Academy
6 Weeks of FREE science exploration, field trips, mentorship
Saturdays: July 9 – August 13
10:00 AM - 12:00 PM

GIRLS 4 SCIENCE
IN PERSON Summer 2022 Session:
MARINE BIOLOGY
2022 High School Program Sponsor:
Avantor

Thank you to the Illinois Mathematics and Science Academy for providing the content and training for the Jellyfish Modeling activity.

Three Locations
• Olive Harvey Community College – Chicago, IL
• Malcolm X Community College – Chicago, IL
• University of St. Francis – Joliet, IL

REGISTRATION OPENS:
MAY 8, 2022 (For All Students)
All NEW and RETURNING Students Must Register @ www.girls4science.org click on the REGISTER TAB

Olive Harvey Program Coordinator – Natalie Carter (nalocarter@ham.com)
Malcolm X Program Coordinator – Mikolaj X Program Coordinator –
Dezarae Brooks (dezarae.brooks@mgredion.com)
University of St. Francis Program Coordinator – Jennifer Klein-Roberts (jklein21@yahoo.com)

Marine Biology
[This is a general description of the flyer content.]



Gioia Puckett creates a DIY Jellyfish



Dogfish Shark dissection



Nia Horton assembles a motorized lift using Legos.

Week 2 there was a special workshop– “Young Engineers Lego Robotics Lab” – presented by Sterling Engineering. Students worked together using engineering principles to create different structures using Legos.



Kana Hutchens, founder of the Connecting the Dots Project, an environmental conservation organization, filmed the experience at Flatfoot Lake. See the film, *Hope for the Future*, at <https://www.youtube.com/watch?v=wXAbiKfN1TI>



Looking for life at Flatfoot Lake.

Girls 4 Science partnered with Friends of the Chicago River for a field trip to Flatfoot Lake at Beaubien Woods Forest Preserve. Students used water quality monitoring kits and probes to assess the water quality of the Chicago River and calculated the River’s water quality based on the macroinvertebrates found. We are grateful to Mark Hauser, Ecology Outreach Manager at Friends of Chicago River, and the volunteers from his team for facilitating such an amazing day at Beaubien Woods!

Student Recognition & Awards Program

The Summer session culminated with the Student Recognition and Awards Ceremony on August 11 at Olive Harvey City College. The keynote speaker was Lisa Porter, MS, HTL(ASCP), a board-certified histotechnologist and Anatomic Pathology Supervisor at Silver Cross Hospital in New Lenox, IL. Porter shared how she continued her education while being a working mom and how her career in STEM allowed her to stabilize her family financially. She encouraged the girls to advocate for themselves in whatever way they can and continue to support each other as they break barriers in the world of STEM.

Students received certificates and staff and volunteers were recognized for their service. Five Girls 4 Science high school seniors – all of whom have been involved with G4S since elementary/middle school – received \$1,000 Linda McGill Boasmond college scholarships:

- Narjis Jafferi, Illinois Institute of Technology, Architecture
- Grace Ogunlana, Marquette University, Nursing
- Aliya Kazmi, Illinois State University, Biology
- Victoria Mays, Illinois State University, Philosophy/ Psychology/Pre-law
- Kierson Dee Rickmon, Wilbur Wright College, Chemistry, Music Education



Sponsor | **Joseph & Bessie Feinberg Foundation**



Keynote Speaker, Lisa Porter, MS, HTL(ASCP)



Girls 4 Science participant Lily Bohanek and her family at Student Recognition & Awards program.

The Girls 4 Science Student Recognition and Awards Ceremony was sponsored by The Joseph & Bessie Feinberg Foundation.

GIRLS 4 SCIENCE ON SOCIAL MEDIA



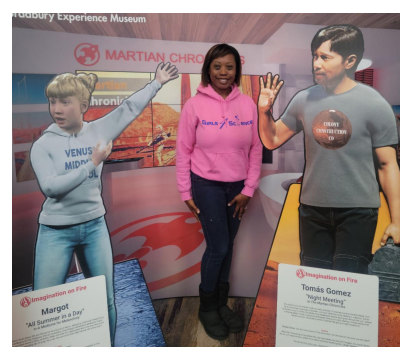
On November 13, Girls 4 Science participants Kyla Wiggins and Logan Lomax and Executive Director Jackie Lomax were interviewed on **Facebook Live** by Chelsea Whittingham, Chief Executive Officer at C WHITT PR LLC.

GIRLS 4 SCIENCE ON THE MOVE



Ingredion Inc. sponsored 25 Girls 4 Science students to attend the Lewis University Robotic Camp, July 11-14. The camp is for middle and high school girls interested in a future career in robotics. Girls 4 Science participants worked beside college students to learn about computers, computer programming, robots and robotics. Activities included building a Piper Computer, learning and practicing programming on the Piper Computer, a virtual reality lab, and

WINDYCON – Chicagoland's longest running science fiction convention – was held November 11-13 in Lombard, IL. Girls 4 Science was selected as this year's charity at **WINDYCON 4**. Girls 4 Science Program Director Dezaræ Brooks greeted attendees on November 12 and shared information about Girls 4 Science.



Girls 4 Science Program Director Dezaræ Brooks in

The Chicago Drug & Chemical Association presented Girls 4 Science with a Certificate of Award and \$2,000 donation at its Annual Meeting and Silent Auction on October 27.

G4S Executive Director Jackie Lomax (l) and Megan Peboontom from Ravago Chemical, representing the Chicago Drug & Chemical Association (r).



Pictured above L to R: Arielle Miller, Allison Xu, Naliyah Anderson, Executive Director Jackie Lomax at Space Camp.

Three Girls 4 Science students were selected to travel to Huntsville, Alabama July 10-15 for Space Camp. Space Camp is a one-of-a-kind experience at the U.S. Space & Rocket Center, the Official Visitor Center for NASA's Marshall Space Flight Center. Space Camp provides a unique, hands-on, STEM experience for students to train like astronauts. Throughout the week, the students are immersed in astronaut training techniques using equipment adapted from NASA's astronaut program. They learn about space hardware, conduct water and diving exercises, experience a spaceflight mission simulation, explore the daily schedule of astronauts and their living environments, meet former astronauts, and learn about aerospace career opportunities. The Girls 4 Science Space Camp experience is sponsored by Ingredion, Inc.



GIRLS 4 SCIENCE STAFF SPOTLIGHT

Sheila Nourse-Jordan started as a Girls 4 Science Program Coordinator at Malcolm X City College in Spring 2022. She has a passion for education, realizing everything is not learned from a book. Her desire is to help students enjoy learning and discover their gifts. She believes when an environment is comfortable enough for students to ask questions, make mistakes or even triumph, they learn to enjoy learning.

Sheila has received several master's degrees in education (Education, Teacher Leadership, and Special Education) from Roosevelt University and Concordia University. She taught at Malcolm X College for more than 17 years, and also taught grades 9-12 at alternative schools and grades 1-8 in the public school systems. Currently, she is a Middle School Inclusion Diverse Learning Specialist at Genevieve

Melody Elementary School and an after-school teacher in math. She enjoys participating in STEM programs and projects and helping students reach their potential through their individual learning modalities. Watching students excel has been a true inspiration for her. Sheila's daughter, Lauren Jordan, also serves as a G4S Program Coordinator at Malcolm X College.

CALLING ALL G4S ALUMNI

Alumni Association

Welcome ... Follow us on Instagram and Join our Facebook Group ... Subm

[Welcome](#)[Community](#)[Professional Development](#)[Volunteer](#)

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 [G4S 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 are encouraged to 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 and achievements related to women in STEM, and updates from 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.

**Girls 4 Science is seeking G4S alumni to help with the web page and newsletter. If you are interested contact Jackie Lomax at jlomax@girls4science.org.

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AmazonSmile is the same Amazon you know. Same products, same prices, same service.

Support Girls 4 Science by starting your shopping at smile.amazon.com



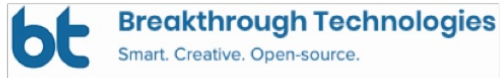
Your generous donations help Girls 4 Science expand its programs and expose more girls to STEM and the career opportunities available.

DONATE NOW

Other Ways to Support G4S

- Sponsor a Saturday STEM Academy session
- Host a Field Trip
- Donate lab supplies
- Provide refreshments for a Saturday STEM Academy class
- Sponsor Girls 4 Science T-shirts with your company logo
- Become a volunteer

Girls 4 Science thanks its 2022 Sponsors!



girls4science.org



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