Mission Statement
Enriching the lives of girls through Science, Technology, Engineering & Math

Vision
The Vision of Girls 4 Science (G4S) is to increase science literacy amongst girls ages 10-18 through scientific discovery and collaboration with external partnerships.

Saturday Science Academy
Saturday Science Academy operates for six consecutive Saturdays every quarter at Olive Harvey City College of Chicago, Malcolm X City College of Chicago, University of St. Francis (Joliet). The Science Academy includes small group science exploration, themed field trips that allow participants to experience STEM “live and in action” and mentorship.
**History**

*Girls 4 Science* is a nonprofit organization dedicated to exposing girls in Chicago ages 10-18 years old to science, technology, engineering and math. We focus on developing skills, self-esteem, awareness and relationships to help girls overcome barriers that may prevent them from achieving greater success in these fields. Research shows boys and girls demonstrate similar attitudes toward science in elementary school. As they get older, girls’ grades and interest decline. Only about 20 percent of women in the U.S. have careers in STEM fields.

G4S has an open enrollment policy that does not discriminate on the basis of financial status. Many who take part do not have readily available resources to support educational opportunities. Others, who once had access to enrichment programs, no longer do because of budget cuts during these difficult economic times. Consequently, they share a lack of positive images and varied role models that can isolate them in male-dominated STEM fields.

G4S draws upon external partners to provide comprehensive hands-on, personal experiences during our year-round six-week sessions. It is Chicago’s only all-girls science initiative providing instructors in a state of the art laboratories. It is also an organization that offers a noncompetitive, peer-to-peer environment of encouragement.
Girls 4 Science celebrated its 5th year anniversary in 2014. In 2009 we opened our doors to girls 10-18 years of age at Olive Harvey Community College. A coalition of parents, volunteers, teachers, and sponsors took the first step to create Chicago’s only all girls science initiative.

As a single mother, I wanted to work at eliminating the program costs for families. This goal was shared by sponsors like Cedar Concepts Corporation, Ingredion Incorporated, Vista Equities, Baxter Healthcare Corporation, Illinois Tool Works, Joseph and Bessie Feinberg Foundation and Comed. These organizations took the next step by engaging their staff to host Saturday Science Academies with topics in science, technology, engineering and mathematics. Comed hosted the IceBox Derby where 12 G4S students worked with Engineer professionals to convert a recycled refrigerator into a race car with a motor. Cedar Concepts Corporation, lead a lab involving “the science of soap” using Surfactants, the girls manufactured their own usable hand soap. Baxter Healthcare Corporation created a career day, where the girls had the opportunity to explore careers in the Health Care Industry. Ingredion Incorporated sponsors Space Camp each year, giving three girls the opportunity to learn about topics in aerodynamics and abroad. Joseph and Bessie Feinberg Foundation has engineered a best practice for G4S to manage their donor and student records.

As the Founder and Executive Director of Girls 4 Science I am looking forward to the next five years of service.

Regards,

Jackie Lomax
Founder/Executive Director
Girls 4 Science
I have had the opportunity to observe Girls 4 Science grow into a “butterfly” on all levels. As the Chairperson of G4S Board of Directors I have assisted the Board to develop solutions regarding programming and governance. The student experience is always a primary focus of G4S. We continued to improve in this area with laboratory experiments facilitated by subject matter experts and exciting and engaging field trips. The newly formed Program Committee, oversees the quarterly themed modules and ensures that it meets the goals regarding student development.

Connecting the community with the mission of G4S is another initiative that has helped sustain G4S growth. I host an annual Garden Party Fundraiser each spring to help raise money for future Saturday Science Academy modules. The formation of the Advisory Board has impacted recruitment and policy implementation.

Many thanks to all of the G4S donors and sponsors for “leading by example”.

Amy E. Wilson, Ph.D., J.D.
Board Chair
Girls 4 Science
REPORT CARD

Age Range
10-18

African-American participants
71%

Schools represented throughout the Chicagoland area
176

Girls’ participation in each quarter
100%

Elementary aged girls registered at each site (approx)
232

High school aged girls registered at each site (approx)
42

New registered in 2014
189

New volunteers per quarter (approx)
8

G4S Girls

After completing a Saturday Science Academy our girls reported the following: (data compiled from pre/post surveys of the four program quarters of 2014)
2014 HIGHLIGHTS

Binary Coding Circuits Lab

Mastadont Matrix Lab

97% want to study STEM in college

94% are confident in Science

90% are confident in Math

Behind the scenes at Field Museum with the Field’s President Richard Lariviere
A Change of Course for Girls

Girls 4 Science (G4S) is positioning itself to be the leader in STEM exposure for girls throughout the Chicagoland area for years and years to come. Girls 4 Science’s program model collaborations with STEM professionals and corporations, and intentional efforts to celebrate and raise awareness of women in STEM - will change the overall perception of STEM in Chicago. G4S is committed to making STEM exposure and learning accessible and fun so that girls are excited about STEM. The G4S model is rooted in girls believing in themselves and their ability to contribute to the community and society at large in a field where women are under-represented. If more girls have access to G4S programming there is great potential for more women to study STEM on a collegiate level, pursue STEM professions and offer unique perspectives to future STEM innovation. G4S will change the trajectory of the lives of many deserving young girls in Chicago.

De’Asiah Mcintosh
16 years old

De’Asiah envisions herself as a Medical Examiner Investigator. Through Girls 4 Science mentorship, she experienced teamwork and hands-on science experiments.

“After school math and science programs will help encourage other girls to consider a STEM career.”

2014 Poster Symposium Winners
Ages 10-11

1st Place
Alexa VanLengen — Spiders
University of St. Francis

2nd Place
Kelly Fitzgerald — DNA/Inherited Traits
University of St. Francis

3rd Place
Ahriel Tyson — Spiders
Olive Harvey, City Colleges of Chicago
Lillian Luangsomkham 11 years old

Lillian aspires to a career in journalism with a particular interest in Science and Technology.

She gained a better understanding of the sciences and all that STEM encompasses.

“Girls 4 Science motivated me so I think it will motivate other girls too.”

Zell Wilson 10 years old

In college, Zell would like to study criminal law as a research scientist and a judge.

She enjoyed working on the lab experiments in her G4S sessions which serves as further motivation to study criminal law.

“Visiting companies and organizations and seeing people in different science careers will help encourage other girls to consider a career in STEM.”

2014 Poster Symposium Winners
Age 13+

1st Place
Isabella Baumann — Genetics
University of St. Francis

2nd Place
Lauren Lomax — Spiders
Olive Harvey, City Colleges of Chicago

3rd Place
SpiKayInn Cavens — Animal Behavior
Malcom X, City Colleges of Chicago

A Change of Course for Girls
Mariah Ford  
10 years old

Mariah wants to open a restaurant after receiving a degree in finance and business. She learned through G4S that she must not only study how to cook the food by studying culinary arts but also learn about managing the business and finances to make the business profitable. “I think that when girls understand that going into a STEM career can be profitable.”

Summer Pratt  
11 years old

Summer wants to study Chemistry and find a cure for Alopecia and Foot Fungus. Her G4S group tried to find a cure for Influenza. She learned what it would take to find a cure for disease, and that she can do it through Chemistry. “Seeing other women in STEM careers gives us hope. If she can do it so can I.”

2014 Poster Symposium Winners  
All Ages

1st Place  
Taylor May, age 11 — Bacteria  
Malcom X, City Colleges of Chicago

2nd Place  
Lydia Richardson, age 12 — Bacteria  
University of St. Francis

2nd Place  
Sofia Gonzalez, age 10 — Spiders  
University of St. Francis
Our Partnerships

Over the past six years Girls 4 Science has been able to do exemplary and impactful work to increase science literacy amongst our participants. Some organizations that have allowed us to provide dynamic and hands-on activities to our girls are:

- Sponsor a Saturday Science Academy
- Host a Saturday Science Academy Quarter
- Donate program supplies
- Sponsor a bus for a G4S field trip
- Provide refreshments for a G4S Saturday Science Academy
- Sponsor G4S t-shirts which include your company logo
- Become a board member

Vista Equity Partners

Ways to Partner with G4S

A Change of Course for Girls
Fiscal Year 2014 Review
January 1, 2014 — December 31, 2014

Revenue and Support
Total $151,699

Expenses
Total $144,065

- Program Services $87,115
- General and Administrative $30,564
- Fundraising $26,386
- Contributions $77,544
- In-Kind Contributions $74,155
G4S is grateful for all contributions and time volunteered

$25,000 and above
Cedar Concepts Corporation

$14,999 - $10,000
ComEd
Joseph & Bessie Feinberg Foundation
Ingridion Incorporated

$9,999 - $5,000
Baxter Healthcare Corporation
Illinois Toolworks Foundation
Vista Equity Partners, LLC

$4,999 - $1,000
Chicago Foundation For Women
Kinder Morgan Foundation
Salesforce.com Foundation

$999 and under
Algenoy Alexander
Cynthia Anderson
Kirsten Anderson
A. Andrews
Jamie Banks
Donald C. & Jane S. Barnes
Claudette M. Soto / Rene Barraza
Nicole Bashor
Marion Batry
Sue & Ed Baswmann
Tanga Baylor
Robin Beaman
Yaqi Benson
Randi Bergey
Berkley Risk Administrators Co., LLC
Kimberly Berkowski
Regina & George Block
Linda & Eric Boasmond
Dorene Booker La Rue
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Brenda Farris
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Ira Finkelstein
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Allison Freedland
Nisse Freyer
Barbara & Clifford Ganar
Coriiss Garmer
Tiffany Gehke
Gail Golden
Danny Gonzalez
Grasia Gonzalez
Monica Gordon
Brandy Grove
Bonnie Hagan
Angie Hankins
Edith & Eric Harris
Bertha & Tammy Herring
Audrey Hill
Tawnya Hoefakker
Lanette Holley
Jacqueline Horn
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Nunluu Latham
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Nicor Gas
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Anastasia Osipova
Yuvette Owens
Sarah Padgitt
Donna Palmer
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West Bend Mutual Insurance Co
Emile Whitlock
Kyla Williams
Amy Wilson
Denny Wilson
Mack Wilson
Cheri Wilson-Chappelle
Brenda Wolf
Jana Wozniak
Kim Wynette
Our 2014 Volunteers

Olive Harvey College
Alicia Andry
Brittani Franklin
Ivory Hill
Rosemary Reddice
Richard Turner
Kari Barlan
Lauren Wilder

Malcolm X College Mentors
Kimberly Berkowski
Phylindia Gant
Ericka Kroger
Francine Williams
Lauren Smith
Jason Briski
Chelsee Strojny
LaShawn Freeman
Emily Loebig
Sharidan Rickmon
LaNyah Newton

University of St. Francis Mentors
Regina Block
Kristy Kipka
Brian Moskalik
Susan Renner
Kayla Madej
Leisa Morris
Mackenzie Mancuso

Girls 4 Science 2014 Program Coordinators
Olive Harvey College / Deneen Robinson, Tieranny Baker
Malcolm X College / TBA
University of St. Francis / Carole Frano
Girls 4 Science is honored to have a committed Board of Directors that actively guide and support us in our continued growth. If you are looking for an exciting opportunity to use your expertise and support a growing organization consider joining our Board of Directors.

Linda McGill Boasmond  
Cedar Concepts Corporation

Alan Brazil, C.P.A.  
DuSable Museum

Robin L. Brown, M.B.A.  
Ingredion Incorporated

Richard A. Duda, J.D.  
Ingredion Incorporated

Elaine Harris, M.B.A.  
Ingredion Incorporated

Diane MacDonald  
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Meribeth Mermall  
ComEd

Susan Schaad  
Ajinomoto North America, Inc.

Amy E. Wilson, PhD., J.D.  
Baxter Healthcare Corporation