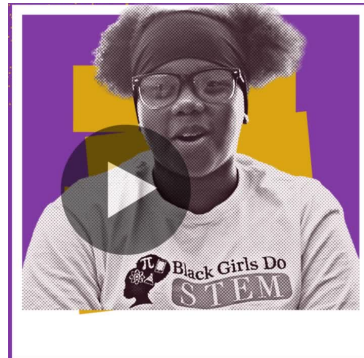


ANNUAL IMPACT REPORT

20
22



About the Organization

Black Girls Do STEM is diversifying innovation, empowering Black girls to achieve equitable STEM representation.

Our goal is to create a cradle-to-career pathway to strengthen and diversify the pipeline of skilled workers entering today's dynamic labor market. Black Girls Do STEM specifically targets Black girls who have been traditionally under-represented in STEM fields. We work to advance 21st century skills necessary to complete rigorous academic programs and obtain family-wage employment. By creating a culturally affirming learning space, we give room for cognitive and mental resilience. Our programs provide a seven-year continuous pathway for Black girls beginning in 6th grade through to 12th. We also support them into university and workforce entry.

Who puts together the report ?



Cynthia Chapple
Founder/ Managing Director
Approved by BGDSTEM board

Who's on our Team ?

Stacey Myon, Program Manager
Program Facilitators

- o Lauren Campbell
- o Kimberly Curtis
- o Jasmine Alde'fa
- o Cynthia Davis
- o Kayla Tucker

Keyanna Evans, Social Worker



18 Volunteers including
12 Black women mentors



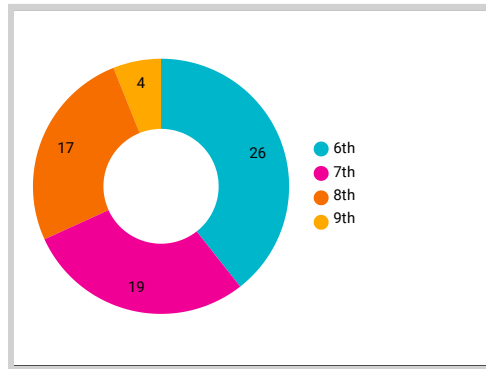
By Program



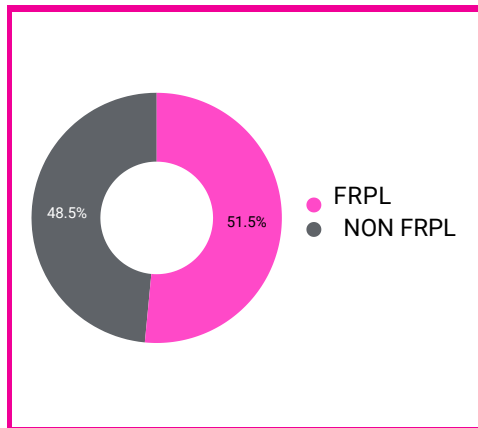
STEM Saturday Academy (SSA) Who Do We Serve?



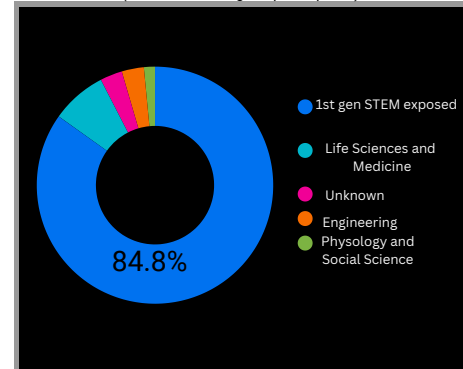
STEM Saturday Academy Enrollment by Grade Level
(excludes unassigned participants)



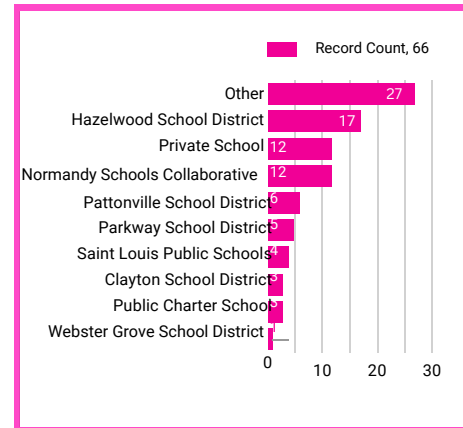
STEM Saturday Academy FRPL Breakdown
(excludes unassigned participants)



STEM Saturday Academy First Generation STEM Exposed
(excludes unassigned participants)



STEM Saturday Academy School Districts
(excludes unassigned participants)



First Generation STEM Exposure:

A student coming from a household whose parent or legal guardian does not have a STEM educational background or work within the STEM workforce.

By Program

STEM Saturday Academy (SSA) How Did Our Girls Grow?

Significant improvements in confidence to learn new STEM techniques, reasoning and critical thinking skills

STEM Confidence : Social and Personal Development: STEM Identity Development



What Black girls say, feel and believe of themselves matters!

Student Rating

Facilitator Rating

STEM Engagement: Access to STEM career understanding and learning

of Records
180

Student use of new terminology learned in the workshop	2.65	Student demonstrated understanding of STEM field	2.72
Student demonstrated confidence in their understanding	2.8	Student demonstrated they learned something new	2.9
Student demonstrated that their learning desires were met	2.71	Student demonstrated joy in learning this STEM field	2.75

LEGEND: 1= not displayed 2= somewhat displayed 3= absolutely displayed

STEM Interest: Occupational Awareness and Career Exploration

Agriculture_Bio Technology		
Career Interest Rating	Workshop Rating	Learning Rating
2.63	4.14	4.03

Aviation & Aerospace Engineering		
Career Interest Rating	Workshop Rating	Learning Rating
3.17	4.3	4.37

Cosmetic Science		
Career Interest Rating	Workshop Rating	Learning Rating
3.27	4.38	4.4

Fashion Technology: 3D design and Development		
Career Interest Rating	Workshop Rating	Learning Rating
3.6	4.3	4.67

Geospatial Information Systems (GIS)		
Career Interest Rating	Workshop Rating	Learning Rating
2.79	4.15	4.11

1: Not at all - 5: significant
1= No learning, no interest, did not enjoy work
5= significant learning, significant interest, did enjoy workshop

By Program

STEM Saturday Academy (SSA) Experiential Learning Fields Trips \$0 cost to parents

April 2022



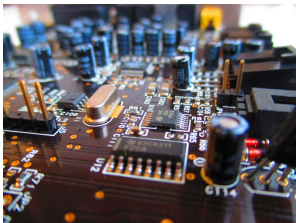
In April Black Girls Do STEM alongside Men of Code and The Normandy Schools Collaborative took 19 students and 5 parents to Missouri University of Science and Technology (MST) in Rolla, Mo. Our students and parents met the Chancellor and Vice Provost and spent the day exploring each engineering department and participating in a hands-on activity with university faculty. Students and parents attended panels with current students and admission officials to learn about campus life and the process to attend MST.

July 2022



In July we took 34 students and 8 parents on a tour of the Genomic Institute at Washington University in St. Louis Medical School. We were invited by Dr. Brett Maricque and Dr. Chelsey Carter, Co-PI leads for the Black Genome Project. Students participated in projects doing cell cultures, cellular imaging, build recognizable models for cellular staining. Also, understanding robotics for continuous testing in genomics and learning application of genomics in precision medicine and public health research.

November 2022



We took a trip to the Women's Maternal Health Engineering Center. There students learned about spectroscopy, laser technology and other wearable tech devices used to help improve maternal health outcomes. We were invited by Dr. Christine O'Brien's Lab.



By Program



Empowerment Preparation and Placement (EPP)

Research and Internships

BLACK GENOME PROJECT



The Black Genome Project seeks to better understand how genomic research is impacting Black Communities in St. Louis and how Black communities value their genome and genetic data. Fourteen Black Girls Do STEM students are working as research interns to gather data via community interviews, analyze data and write up research findings related to this project. More can be learned at BlackGenomeProject.org

Post Secondary Planning: Scholarship and College Access



Dr. Treasure Shields Redmond a career educator who is known for her How to Find the Scholarship 10-week student and parent support program came on board as a new partner. Dr. Shields Redmond led an explosive 5-week crash course into college planning and how to get a debt free college degree through scholarships. This offered learning for both parent and child around FAFSA, college admission process and financial planning for college.

Math and Science Tutoring



**Amelia (Lee)
Williams
Math Tutor**

Lee Williams is a graduate student studying Biomedical Sciences at Roosevelt University. Her short-term goals include private tutoring students of color across the nation to help build their self-confidence and self-advocacy skills. Her long-term goals include developing an app to build a community to support students of color along their STEM journey. Lee hails from Edwardsville, IL and served 6 girls this year tutoring mathematic fundamentals, algebra and geometry.

How To Find Scholarships Summer Workshop

Taught by **Dr. Treasure Shields Redmond**

Workshop Features

- Financial Aid 101**
Demystify loans, grants, & scholarships.
- Essay Writing**
Complete an essay that can be used on college applications & scholarship applications.

Workshops will meet IN PERSON on:
Saturdays, August 6, 13, 20, 27, 2022, 10:00 am - 12:00 am with a final SPECIAL Parent +Teen meeting to be held Saturday, September 3!

St. Louis, MO

By Program

Virtual Collegiate Community (VCC)

JOIN US FOR A LIVE CHAT WITH LICENSED CLINICAL THERAPIST, ROCHELLE JOHNSON

BLACK GIRLS DO STEM IS HAVING AN UPCOMING MEMBERS-ONLY EVENT ON ZOOM, AND YOU ARE INVITED! JOIN US AS MRS. ROCHELLE JOHNSON HOSTS A LIVE CHAT ABOUT MENTAL HEALTH & WELLNESS. THIS IS SOMETHING YOU DEFINITELY WON'T WANT TO MISS!

Wednesday, September 21

at

7pm CST





for

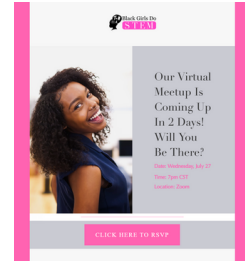
Members of the BGDSTEM Virtual Community

on

Zoom



 <p>WHO IS THE COMMUNITY FOR?</p> <p>For femme presenting black women who are 17 years of age or older. Must be enrolled in or graduated from an institution of higher education. Preferably pursuing a degree in a STEM major or in a tech program</p>	 <p>WHY IS IT IMPORTANT?</p> <p>Black girls in STEM need a space where they can feel comfortable to ask questions and find support. Our community accomplishes just that! We want our girls to have a network of other black women in STEM so that they always remember that they are not alone even as they are the only black woman in many of their classes.</p>	 <p>HOW TO JOIN</p> <p>Click the link in the bio of our Instagram page and select "Join BGDSTEM Virtual Community. Just fill out the intake form and you will be added to the community!"</p> <p>IG: @bgdstem</p>
		



What are you hoping to gain from being apart of BGDSTEM?

"A sense of community"

"I hope to gain knowledge on how to translate school into jobs."



Meet our leads!



Angel; STEM Educator

University Missouri St. Louis



Becca; Scientist

International Open University of Nigeria

"I would love to be a part of a community of women that look like me and share the same interests as me where we can share ideas with each other, support each other, etc." Virtual Collegiate Community Member



Our 2022 Goals by Program



Projects	Details	Outcomes
STEM Saturday Academy (SSA)	8 months; 40 hours of instruction; 3 community sites; STEM; SEL; and Mentoring; Capacity: 80 girls	66 girls enrolled; 50% completion; 100% report increases in confidence, interest and engagement
Empowerment, Preparation and Placement (EPP)	Support services for 9th-12th graders coming out of SSA. Capacity: 40 girls	25 girls served; 2 new partners; services expanded;
Virtual Collegiate Community (VCC)	Collegiate aged girls; focus on undergraduate post-secondary support; grow community members by 100%	2 VCC student interns; 55 people within the community; 7 US and 1 international school represented

"Thank you for your contribution of time and effort. I am so thankful for this program. We followed your progress for years until she was old enough to join. The only reason we can participate is because there are no fees." BGDSTEM Parent to student in SSA



Our 2022 Goals by The Dollars

2 Successful Online Giving Campaigns



\$ grant goal	2022 Actual
corporate	
\$100,000	\$170,000

# of new corporate funders	
1	3

% Funding from all grants	
50%	61%

May 5th for GiveSTL Day we raised \$3,742 across 40 donors.

% grant dollars noncorporate	
35%	23.5%



# of individual donors	100	109	you can join and donate before the end of year!
			Average individual gift of \$385!

November 29th for GivingTuesday we raised \$15,123 across 17 donors and 2 sponsors.

total raised	\$275,000	\$245,000+*
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*final number known in January



Acknowledgment

Thank you and special mention to people, organizations and partners that made our work possible this year, not previously acknowledged in this report.

KMOV and Fox 2 News

STLMade

Afro Logic Art

Wesley House Association

Thomas Dunn Learning Center

Girl Louie

Harris Stowe State University

Men of Code 2019

Jennifer Barr Weise

Marie Management LLC

APEC Tech LLC

Nautica Alexander and

Dr. Nicole Joseph and The Peabody
School of Education

Morgan Payne
(Summer Vistas)

CatalystEd

Ray Media Management LLC

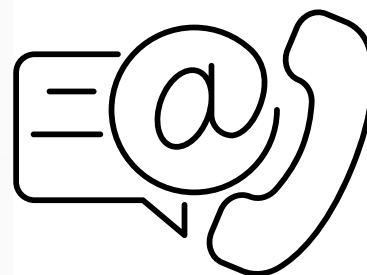


Saint Louis University Medical
School Student Association

Black Girls Do STEM Parents

Black Girls Do STEM Students

Black Girls Do STEM
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St. Louis, Mo 63108
www.bgdstem.com
(314)236-9137
admin@bgdstem.com



2022 Funders

Boeing

Verizon

Deloitte Foundation

NewSchools Venture Fund

Vela Education Fund

Roblee Foundation

Ameren Missouri

Trio Foundation of STL

Great River Confluence Foundation

Weatherspoon Family Fund

Tide Foundation

Slalom Foundation of Slalom Consulting Group

CGI Global Inc BRG

Racial Justice and Healing Community Board

Burrough Welcome Fund courtesy of Thi Nguyen

St. Louis Bank and Trust

Thanks to our full list of funders who also represent the financial numbers that make our work possible. Thank you to each of the 109 donors who gave individuals gifts totaling \$42,000.



