

STEMS4GIRLS, Inc

4TH Quarter Newsletter



A Message from the Executive Board

STEMS4Girls Family & Friends!

As we end our fifth year, we look forward to the many opportunities ahead of us. We will continue to create new, significant partnerships and to turn stumbling blocks into ladders. We are grateful for your generous giving, prayers, technical assistance, and participation, to assist with the many challenges. Despite the difficulties of the past couple of years, with the help of our volunteers, partners, and friends, we have kept our commitment to you. In 2022, we expanded our programming to provide more opportunities for more kids to thrive and grow in STEM identity, education, and careers. We expanded our volunteer participation, and we have seen new partnerships develop on a global, national and local level. As we extended our reach, STEMS4Girls has become a familiar name in our community. Our partners' support has increased our ability to provide services to more students in need of tutoring. The increase in interest in our STEM Literacy program exceeded our expectations. The literacy program and services have doubled through help from the Leon County Community Children's Service Summer grant, Youth Services of America, Booz Allen Foundation, and the George Floyd Foundation. Our volunteer program is attracting more skilled volunteers, and is on track to exceed its objective of maintaining 30 volunteers each semester. A continued increase in funding will ultimately give us a facility to house our program. What impact has COVID-19 had on our STEM literacy Program in 2022? The need to create pathways to science, technology, engineering and math (STEM), and to high quality after school STEM learning and career choices, continues to grow, especially in communities with limited access to STEM enrichment programming. Based on the increase in the number of applications we've received for tutoring services this fall, it appears that time lost out of school during COVID-19 increased the learning gap disproportionately among students of color. This situation has also increased our reliance on your generosity and support. As the year ends, your continued support is needed to advance our STEM literacy program. Your ideas, encouragement and monetary assistance are all crucial in determining how we nurture and cultivate STEM identity skills in our kids. The work we do, enabling them to embrace and succeed at the STEM curriculum, helps us all. But it's not just about what each of our students can accomplish, although that is what we do. And it's not just about what this mission does for the community. One day, one of our STEMS4Girls participants will solve a global problem, and make the world a better place, because of what you do for them today. And that's how we all win! Very truly yours,

Board of Directors, STEMS4Girls, Inc.

Newsletter Highlights

A Message from the Executive Board

Our Impact:

- **Volunteer Committee**
 - **Community Service - General**
 - **Community Service - Youth**
- **STEM Literacy Committee**
 - **STEM Saturday**
 - **STEM+ Tutoring**
- **Fund Development**

STEM Literacy

Community Partner

End of Year Fundraiser

Contact us
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Tallahassee, FL 32314
 850-300-8068
www.stems4girlsfl.org



Our Impact

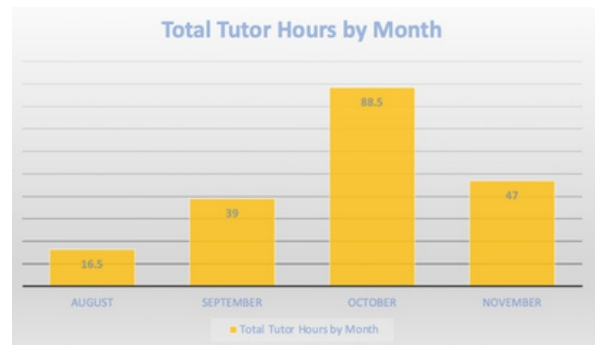


Volunteer Committee:

STEMS4Girls is located in a college town where two major universities and colleges are situated. This location has proven to be successful in keeping our administrative and program expenses down, and in utilizing an inter-generational - interdependent approach in structuring our organization where collective and collaborative actions will serve the community and help sustain the cost of the programs. We also practice inclusion, diversity, and equity which serves as a pathway to increasing representation of all ethnicities and gives our participants a sense of belonging. Our goal is to create opportunities in an environment of belonging where any community member feels they have a place in our organization.

Impact

- Administrative cost is less than 10%,
- A diverse group of volunteers allows participants a chance to get to see college students who look like them.
- 30 team members who volunteer to serve on various committees of which. 95% are on a STEM track. This number does not include our youth
- Our volunteer relationship building has dramatically increased the retention of volunteers from semester to semester and increases the skills of returning volunteers.
- Major corporations are networking with our volunteers.
- Create opportunities for our college students to take on administrative leadership roles



Youth Community Service and Civic Engagement -
Marcel Nguhama and Emily Ferra, Youth Coordinators

The aim of the Youth Community Service and Civic Engagement Club is to give our youth a voice in solving real social issue problems on a global and national level through community engagement, and leadership opportunities. Youth driven spear-head projects tackling social issues in the community consisted of food insecurity, 9/11 civic engagement, youth voting advocacy, using a science, engineering, technology approach.



STEM Saturday

STEM Saturdays are designed to give our youth an opportunity to explore their STEM identity by solving local and social issues. Using Florida State standards, our program provides STEM related enrichment activities that allow our youth to become more immersed in researching, designing, collaborating and using creative ideas to solve global and community service issue problems. Our goal is to create pathways to STEM higher education and careers, especially for girls with limited access to STEM afterschool programs.

Impact:

- Extension to learning in the classroom
- Family involvement has increased by 30 percent
- More hands on experience includes robotics, solar energy, space activities, human circulatory system and much more



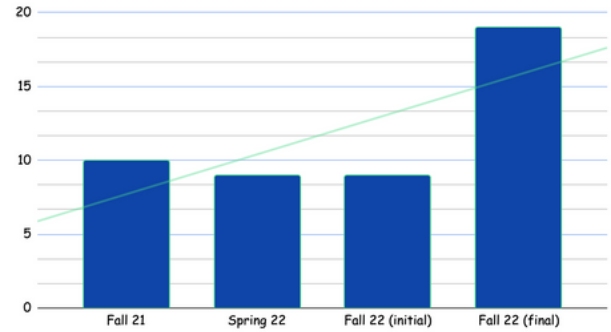
STEM+ Tutoring

The tutoring program is the second arm to the STEM Literacy Initiative. It is designed to provide supplemental educational services to students who are attending Title I schools and are struggling in math and science and create a pathway to educational success in the STEM. Our goal is to help participants maintain or improve their grades in science and math.

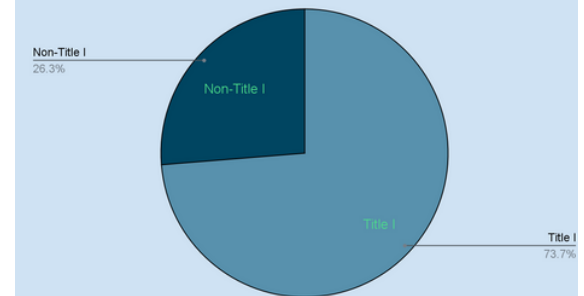
Impact :

- Our partners' support has increased our ability to provide services to more students in need of educational support.
- Summer program funding came from the Leon County Community Children's Service Summer grant and the America Relief Plan Act grant. These grants provided a way for us to increase capacity and support services which paved the way to receive more participants this fall.
- This school year, we have had a 200% increase in interest in our STEM literacy programs and services and a 100% increase in participation in our tutoring program.
- Parent testimony: "In four weeks, my daughter's math grade improved from a "D" to an "A". I love STEM4Girls."

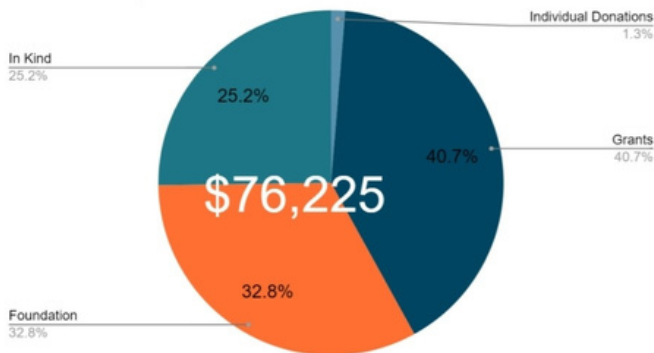
Tutees Enrolled per Semester



% of Tutees Who Attend a Title I School



Fund Development



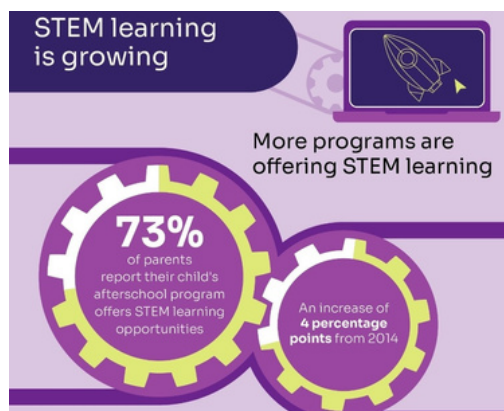
Fund Development

Funding sources include Individual Donations, Grants, Foundations and In-Kind Donations. Our year to date financial impact from our volunteers is \$18,700. Our partners' support increased by 100%. With these funds we are able to provide support services to more students in need of tutoring. The literacy program and services participation has increased by 200% thanks to the help of Leon County Community Children's Services Summer Grant, Youth Services of America, Booz Allen Foundation, and the George Floyd Foundation.

Join Our Program

Our activities are an excellent way to expand every learner's knowledge in the STEM fields and prepare them for the future. With these programs, they are better equipped for successful careers in related industries. For more details about enrollment or scheduling, please contact us today. We look forward to hearing from you! Contact us 850-300-8068 or visit our website www.stems4girlsfl.org





What impact has COVID-19 had on our STEM literacy program?

Based on the increase in the number of applications we've received for tutoring services this fall, it appears that time lost out of school during COVID-19 increased the learning gap disproportionately among students of color.

This situation has also increased our reliance on your generosity and support.

STEM Literacy - Why STEM Literacy?

Written by: Catherine Register

With each passing day, it becomes more and more clear that our community, as well as our nation and planet are facing unprecedented challenges. Science, Technology, Engineering, and Mathematics (STEM) studies are broadly acknowledged to be crucial in preparing the next generation to help address these crises. There has been dramatic growth of STEM literacy efforts in schools and youth services, which is exactly what we need here in Tallahassee and across our country.

As these efforts continue, we must also raise awareness of the role of the Arts in STEM. There is an inspiring movement in support of expanding STEM by adding a new category: Science, Technology, Engineering, the Arts, and Mathematics (STEAM). Broadening this discipline group can empower students to think outside of the box and strengthen their cognitive processing in ways that benefit both of them as individuals and future participants of our workforce.

Anyone who has studied the Scientific Method can tell you that all of science begins with a question. The systematic exploration of solutions to our biggest problems is grounded in curiosity and creativity. The addition of the Arts into the learning process of STEM subjects enhances the connection of each person to their own unique perspective. This can expand their creativity and better equip them to solve the most pressing problems in the future.

Every student in our community needs to believe in themselves and in their ability to engage in authentic learning experiences. This refers to one's "STEM identity," which is how a person sees themselves as fitting with STEM fields such as science or math. Students who have confidence in their ability to be active lifelong learners are more likely to pursue STEM studies on the higher levels required for successful careers in these fields. Including the Arts within STEM is a strong way to increase student interest and engagement in these subject areas.

STEAM studies can effectively increase diversity and inclusion within disciplines with alarming lack of representation of women and ethnic or racial minorities. Students who are not easily engaged by traditional STEM subjects are often more inspired by artistic processes and creative outlets. The arts are a powerful tool for building a fully representative community of science learners who are confident and motivated to tackle challenges in creative ways.

This intersection between the arts and STEM is being explored by STEMS4Girls, a local youth organization. They provide multidisciplinary programs and creative outlets for students in Tallahassee. The STEMS4Girls staff and volunteers work hard year-round to inspire the next generation of young girls in STEM and art learning opportunities. You can support the work of STEMS4Girls by making a financial donation to them on Giving Tuesday. For more information, visit www.stems4girlsfl.org.

2022 End of the Year Fundraiser

On Giving Tuesday STEMS4Girls kicked off its end of year fundraising campaign. The gala brings together community leaders, community partners and families to honor all of the volunteers and local supporters. All funds raised through this campaign will be used to further the efforts of the organization's vision and mission to ensure that all children no matter their background have access to STEM learning opportunities. To donate to this fundraiser please visit our website at www.stems4girlsfl.org.

We hope you all have a happy, safe and healthy holiday.



DONATE TODAY



Community Collaborative Partnerships

FAMU-FSU Electrical and Computer Engineering, 500 Women in Science, Leon County Schools, Tallahassee Children's Services Council, FAMU Women in Medicine, SCI-FAMU Peer Mentoring Group, FAMU-FSU College of Engineering, George Floyd Foundation, Tallahassee Barristers and The Afterschool Alliance

