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## Fwd: Your February STEAM Girls' Collaborative Newsletter!

1 message

**Alysha Branch** <alysha@networkforyouthsuccess.org>  
To: Abbi Rice <abbi@networkforyouthsuccess.org>

Wed, Feb 21, 2024 at 12:10 PM

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From: **Alysha Branch** <alysha@networkforyouthsuccess.org>  
Date: Wed, Feb 7, 2024 at 3:35 PM  
Subject: Your February STEAM Girls' Collaborative Newsletter!  
To: Alysha Nicole Branch <alysha@networkforyouthsuccess.org>

### New York STEAM Girls' Collaborative Newsletter

February 2024



NEW YORK STATE  
NETWORK FOR  
YOUTH SUCCESS

#### Table of Contents

- [Spotlight: Celebrate Women of Color in STEM this Black History Month](#)
- [Engineering Week](#)
- [Activities for February 2024](#)
- [Join a Girls Who Code Summer Program today.](#)
- [Western New York is a hub of Innovation every Spring](#)
- [Elevating Equity and Fostering Healing in the Youth Justice System Conference](#)
- [STEAM Events](#)
- [Follow us on social media!](#)
- [Submit your news, events, trainings, and resources](#)

### Spotlight: Celebrate Women of Color in STEM this Black History Month



We are celebrating #BlackHistoryMonth! This February, we honor the contributions and accomplishments to STEM of Black individuals throughout history. Let's come together to recognize and uplift the voices of the Black community and act to make a more just and equitable society. We have put together some resource for you below:

- **The Black Girls Create Project: A Pilot Culturally Responsive Informal STEM Learning Program:** The program model encourages (1) the use of social history (i.e., learning about Black women's contributions to STEM), (2) culturally responsive instruction (i.e., anchoring STEM learning within the cultural context of girls' lives), (3) mentorship from young, diverse scientific role models, and (4) the development of transferable STEM skills through design and digital fabrication.
- **Women of Color in STEM: The Past, Present, and Future:** Learn about women who were ground breakers in STEM, organizations that support women in STEM and are approachable by educators, conferences, and a description of the educational path to STEM.
- **50 Black Women in STEM You Should Know About:** Learn about 50 amazing women who are role models for success in STEM. Photos, biographies, and links to additional information can be found here.

## Engineering Week

## February 18-24

Engineering week is February 18-24, check out the resources below on ways to introduce engineering to your program.

- **Engineering Mindset Overview:** An engineering mindset refers to the attitudes and thinking skills associated with engineering — using a systematic engineering design process, considering real-world problems, applying math and science, and working in teams. The Moonshot focuses on 10 engineering practices. An overview of each practice follows and subsequent briefs will explore each one individually.
- **Engineering Design Process:** This resource helps educators understand the design process and how to facilitate engineering activities with youth in their programs. Offers printable posters and resources to display in the classroom.
- **What is Engineering Design and the Engineering Design Process:** One stop shop for Engineering including what is engineering, who are engineers and what they do and the Engineering Design process including videos and posters to help explain the process to youth and where to start.
- **A Million Miles Away Viewing Guide:** NGCP developed an Educational Viewing Guide to accompany the film A Million Miles Away to support families, educators, and youth themselves to explore a range of STEM concepts and ideas related to space while also taking time to reflect on their dreams and future aspirations. The guide includes discussion questions for elementary, middle, and high school audiences, hands-on activities, and resources for families, youth, and educators to continue exploring space-related STEM concepts, projects, and careers.

Still unsure on how to incorporate engineering week to your program day, check out these [talking points](#) from DiscoverE.

## Activities for February 2024

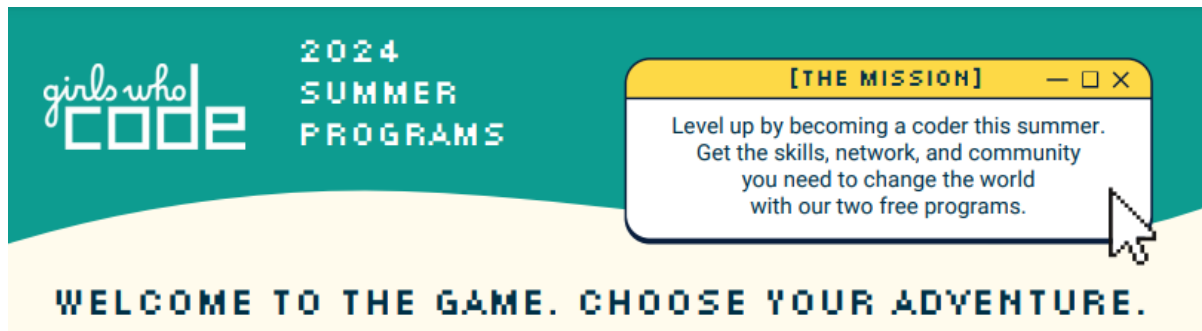
### Million Girls Moonshot

Check out this list of activities to try in program this month.

- **3D Printing by Hand:** Students will explore how 3D printers work. Then, working in pairs, they will use the same methods used by 3D printers to create a 3D model of an object. This comes with a video for educators and a complete lesson plan.
- **Experiment with Parachutes:** In this aerodynamics science project, kids test whether the size of the parachute is important for slowing down the speed of the fall. They make a series of parachutes from small to large and test how quickly they fall from the same height.
- **Marble Run Kit & Caboodle Activity:** Don't be misled by the word "kit" in the title! This activity plan uses easy to find materials to make a marble run (think marble roller coaster!). The "kit" is a complete lesson plan and video.
- **12 Great Ideas for Engineers Week:** These quick, easy to implement, and fun activities highlight design process and engineering principles. Materials are easy to find at the grocery store or in the afterschool setting.

## Girls Who Code

Join a Girls Who Code Summer Program today



Ready to shape your future and join an empowering sisterhood? Become a coder this summer with Girls Who Code!

**Girls Who Code's free virtual Summer Programs** empower you to build skills, community, and a professional network for your future, in the ways that work best for you. Choose your adventure with two free programs:

- Curious to create your own computer games? In our two-week Summer Immersion Program (SIP), you'll learn how to design your own games using p5.js, a JavaScript library for creative coding. Join classmates and our dedicated Teaching Teams in live virtual classrooms hosted by industry-leading companies like MetLife, Bank of America, Logitech, and Synchrony. We've got three rounds to fit your schedule: June 14 to June 28, July 8 to July 19, and July 29 to August 9.

SIP is for current 9th-11th grade girls and non-binary students with beginner or intermediate coding experience, including program alums. Eligible students can even apply for a [\\$300 SIP Student Grant and laptop and hot spot access!](#)

- Excited to explore the biggest topics in tech at your own pace? Our six-week Self-Paced Program offers tracks in Web Development, Cybersecurity, and – new for 2024 – Data Science + AI! From July 1 to August 9, you get to decide how and when to build your coding skills, and you can always ask questions in our Discord server or optional Student Hours.

The Self-Paced Program is for current 9th-12th grade girls and non-binary students with beginner to advanced coding experience, including program alums.

[Apply here](#) by the early deadline, February 14, 2024 for priority consideration or apply by our general deadline, March 22, 2024. Don't miss this incredible opportunity to level up your coding skills, kickstart your future, tap into lifelong career support, and have fun along the way!

Need help? Learn more with our [program flyer](#), [webinars](#), or [FAQs](#), or email us at [summer@girlswhocode.com](mailto:summer@girlswhocode.com).

**Western New York is a hub of Innovation every Spring**  
2024 WNY Invention Convention April 28th



### Call for K-8 inventors!!

The mission of the Western New York Invention Convention is to develop and enhance creative thinking and problem-solving skills in children in grades K-8 through the processes of invention, innovation, and entrepreneurship- while encouraging interest in Science, Technology, Engineering, and Math (STEM).

They are proud to provide a forum that encourages creative and critical thinking, trains educators to pass on these skills, and showcases the rich creativity of the youth in our community at our annual event. WNY Invention Convention celebrates young inventors from public, private, and charter schools as well as home schools and Scout troops.

Register before March 15th to waive all registration fees.

## Elevating Equity and Fostering Healing in the Youth Justice System Conference

2024 Youth Justice Conference



Division of Criminal  
Justice Services

2024 Youth Justice  
Conference

*Elevating equity and fostering healing in the system*

**REGISTRATION IS NOW OPEN!**

The New York State Division of Criminal Justice Services, in partnership with the New York State Youth Justice Institute, will host its inaugural ***Elevating Equity and Fostering Healing in the Youth Justice System Conference***, scheduled for **Wednesday, March 27, and Thursday, March 28, 2024**, at the Empire State Plaza Convention Center in Albany.

This first-of-its-kind conference is designed for youth service providers and practitioners, credible messengers, mentors, and peer advocates; law enforcement, probation, education, child welfare and court professionals; and youth and families. The two-day event will explore national research, best practices, and innovative programs/promising strategies across the state that aim to promote equity and healing within systems that serve New York State's youth.

***Registration for the conference is now OPEN.*** This conference is free and open to the public. We encourage you to share the link with your colleagues, community members, and emerging adults.

***Registration can be found here: [https://whova.com/portal/registration/eeaah\\_202403](https://whova.com/portal/registration/eeaah_202403) The deadline for registration is February 24th, 2024.***

Any questions should be directed to Statewide Race Equity Coordinator, Shalain Garcia at [Shalain.Garcia@dcjs.ny.gov](mailto:Shalain.Garcia@dcjs.ny.gov).

## Network for Youth Success STEAM Events

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### Network For Youth Success Click2Science Workshops

Check out NEW Click2Science Workshop offerings for February and March.

*Feb. 13: Exploring a STEM Identity (10am)*

Learn techniques to help youth 'try on' roles in order to develop a STEM identity.

**[Click here](#)** to register.

*Feb. 28: Reflecting and Processing STEM Experiences (10 am)*

In this training, participants will practice leading an engineering activity in a way that incorporates reflection for STEM learning.

**[Click here](#)** to register.

*Mar. 12: Applying Strategies to Document STEM (6:30 pm)*

Apply strategies used to support documentation of STEM concepts in multiple formats, particularly symbols, drawings, models, diagrams, charts, tables, text or non-verbal means.

**[Click here](#)** to register.

*Mar. 26: Giving Youth Control with Project Based Learning (6:30 pm)*

Youth should direct their own fun and learning, when it is developmentally appropriate. Learn techniques for engaging youth in decision making, developing projects, and leading their own development in this active workshop.

**[Click here](#)** to register.

*Mar. 9: Solar Eclipse Happening in NYS*

NYS is lucky to be in the path of totality for the 2024 Solar Eclipse happening April 8th! Join Abigail Rice, our STEAM Coordinator for an hour long virtual session about the Solar Eclipse. Abbi will share general information about the Solar Eclipse, events and viewing parties in NYS, and activities for students and families to partake in before and during the Eclipse. We hope you leave this session inspired and excited to experience a once in a lifetime view here in NY!

**[Click here](#)** to register.

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### Mar. 1: Asking Purposeful Questions (10 AM– 12 PM)



Asking the right question at the right time can unlock new possibilities in a child's thinking. Learn how to craft questions that promote deeper learning in young people. Focusing on STEAM (science, technology, engineering, the arts, and math) activity, this workshop will explore the creation and use of timely questions to maximize hands-on learning.

**[Click here](#)** to register.

## More STEAM Events

**Feb. 22: DiscoverE Chats with Change Makers (Thursdays 1pm)**

**DISCOVERE**  
**CHATS WITH**  
**CHANGE MAKERS**

Introducing elementary & middle school learners to STEM careers & professionals.

Tune into the DiscoverE monthly series “Chats with Change Makers,” hosted by high school senior Kavya, to meet STEM professionals who are working hard to change the world.

Teachers and parents are invited to tune-in along with their students to meet an engineer and ask questions.

**Join on Thursdays at 1pm for LIVE monthly chats!**

- [Feb 22](#)
- [Mar 21](#)
- [Apr 25](#)
- [May 23](#)

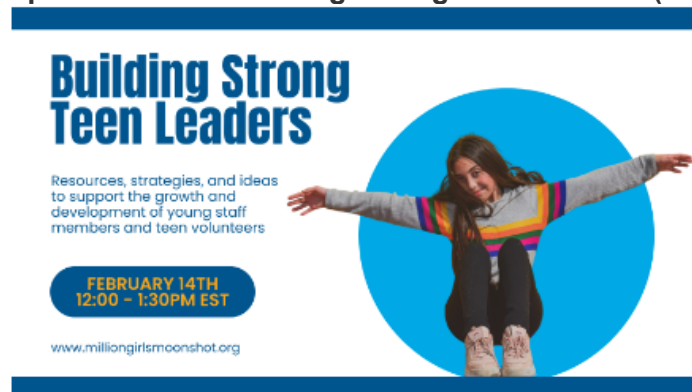
## Feb. 6: The Power of Collaboration: Strategies and Lessons learned from the NGCP Network (4PM)



Join the National Girls Collaborative Project (NGCP) to apply research-based collaboration strategies to enhance your science, technology, engineering, and math (STEM) activities and programs. Collaboration enables professionals across programs and communities to generate and carry out creative solutions and strategies that maximize benefits beyond what one could accomplish alone, and research suggests that by creating collaborations among organizations committed to engaging youth in STEM, we can improve youth STEM experiences. Presenters will share the NGCP collaboration model, exemplary practices in collaboration, and examples of successful collaborations in the NGCP network.

[Click here](#) to register.

## Feb. 14: Click2ComputerScience: Building Strong Teen Leaders (12-1:30 PM)



Prepare yourself to support the growth and development of young staff members and teen volunteers. This workshop will provide resources, strategies, and ideas from the Click2ComputerScience team and an engaging discussion with colleagues.



Click here to [register](#).

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## Feb. 24: RIT Youth Event- Rochester Institute of Technology

### Women's Leadership Summit – Saturday, February 24th

Are you trying to decide what the best career path would be for you? Would you like to learn more about exciting career opportunities and network with successful women leaders and women students at RIT and build your own leadership skills at the same time?

Join **the fifth annual Women's Leadership Summit** to engage in a day filled with dynamic speakers, network with current women college students, participate in a fun leadership skill building experience, and get inspired about your own exciting career path for the future!

### RIT Women's Leadership Summit – Sponsored by the Leadership Academy @ Saunders

Saturday, February 24  
9:00 to 5:00 p.m. ET

For more information on how to register: [https://www.rit.edu/  
emailcommunications/womens-leadership-summit-2024-for-high-school-students](https://www.rit.edu/emailcommunications/womens-leadership-summit-2024-for-high-school-students)

## Want even MORE news and updates?

### Follow us on social media!

Keep up with news, views, and events through our social media. The STEAM Girls' Collaborative Leadership Team contributes to our feeds, giving you even more content about STEAM learning and equity.

Like us on [Facebook](#), search for @NYGCP.

Follow us on [Twitter](#), @NYSTEAM4girls

Interested in other work with youth? Stay tuned to the Network for Youth Success' channels!

Like us on [Facebook](#), search for @NetworkforYouthSuccess

Follow us on [Twitter](#), @NYSYouthSuccess

## Contribute to our next newsletter...

### Submit your news, events, trainings, and resources

Do you have STEAM related events, workshops, conferences, resources, or celebrations you would like to share with the NY STEAM Girls' Collaborative network? We would like to help you share! Each month, we send out an e-newsletter, and we need your content and contributions to make it a truly collaborative effort!

Our reach includes formal and informal educators, as well as others who are interested in girls' access to opportunities.

There are two types of content we can send out:

- **Short** - these blurbs are no more than **80 words** and are great for event or resource sharing.
- **Long** - these are no more than **130 words** and can have more description or detail. These are the featured articles in each newsletter.

Some things to keep in mind:

- **Include web links.** Link to more information, resources, registration, etc. The newsletter promotes and highlights, but the full story should be elsewhere.
- **Include an image.** Small, square image files, such as logos, help draw attention and improve the overall look of the newsletter.
- **Edit for clarity.** Please read your submission before sending it to make sure it makes sense to someone who doesn't know you, your organization, or your event.

Any material submitted may also be promoted via the NY STEAM GC Twitter feed, Facebook page, or LinkedIn page, increasing the range of promotion!

Please send your February submissions to [NYSTEAM4girls@gmail.com](mailto:NYSTEAM4girls@gmail.com) by 1 PM on Friday, February 23rd. We will try our best to include all inputs received! Email us at the same address if you have questions.



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[Unsubscribe](#)



**Alysha Branch** (*she/her/hers*)

Capacity Building Coordinator

New York State Network for Youth Success

*The Network for Youth Success is committed to supporting justice, equity, diversity, and inclusion.*

*To learn more about the importance of pronouns, click [here](#).*

Empower Youth Success 2024 Registration is Now Open. **[Register Today!](#)**

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