



Alysha Branch <alysha@networkforyouthsuccess.org>

Your August STEAM Girls' Collaborative Newsletter!

2 messages

Alysha Branch <alysha@networkforyouthsuccess.org>

Thu, Aug 3, 2023 at 11:35 AM

To: alysha@networkforyouthsuccess.org

New York STEAM Girls' Collaborative Newsletter

August 2023



Table of Contents

[Techbridge Girls: Last Chance to Register for Information Session](#)

[Creosity Space](#)

[STEM Flights](#)

[Mizzen by Mott](#)

[Start your GWC Club today!](#)

[National Aviation Day](#)

[STEAM Events](#)

[Follow us on social media!](#)

[Submit your news, events, trainings, and resources](#)

Register Today for the August Information Session for Techbridge Girls Curriculum Training

Techbridge Girls Curriculum Training

Get free STEM curriculum focused on girls of color this fall. Techbridge Girls is offering three different programs to encourage more young people to engage in STEAM. Space at these trainings is limited, so apply today!



Curriculum Programs

IGNITE

Ignite sparks 3rd-8th grade girls'* interest in their STEM journey. In this program, afterschool time educators work with girls* to deliver engaging STEM and social-emotional supportive activities. Ignite offers easy-to-access, high-quality, broad STEM and social-emotional learning (SEL) content through fun, engaging STEM experiences that build connection, community, and family engagement.

Educators will participate in a 2-hour asynchronous training and have access to an 8-session curriculum program to host with youth. [Learn more.](#)

INSPIRE & CHANGEMAKERS

Inspire (3rd-5th grade) and ChangeMakers (6th-8th grade) encourage girls to explore a wide range of hands-on STEM activities and build STEM joy and belonging. In this program, afterschool time educators work with girls* to deliver engaging STEM through the contributions of BIPOC women who have used STEM as a tool to positively impact systems, communities, and their personal lives.

Inspire and ChangeMakers offer rigorous synchronous and asynchronous training in hands-on STEM and effective practices with delivering equitable STEM education. Participants will also have access to a peer learning community to share insights and challenges as they build their capacity as equity educators.

Want to learn more? Join an upcoming information session to learn the details.

August 8 at 3:00pm

Application deadline is September 6th!

Creosity Space

Book of Ideas Resource

Try out the free sample of the ***Book of Ideas*** from **CreositySpace!**

A great addition to round out any makerspace or hands-on STEM program, the ***Book of Ideas*** is a young inventors notebook kids love to use to capture their ideas & inventions while learning about other kid entrepreneurs, and

- Making a personal connection to STEM,
- Exploring STEM careers, and
- Discovering a place for themselves in the STEM community.

Hands-on, creative, and equitable, the **Book of Ideas** engages kids to use what they know, apply what they learn in school, and incorporate their personal interests.

STEM Flights

Free program for students interested in STEM and Aviation



STEM Flights is a national nonprofit organization that combines STEM education with a free flight experience for middle and high school students. They pair students with Pilot Mentors in their geographic area to receive a flight experience, learn about aviation and STEM careers, and connect with local aviation enthusiasts.

Their mission is to create positive experiences in aviation and inspire America's youth to pursue STEM and aviation careers. If you know a 6th-12th grade student who is interested in the world of STEM or aviation, encourage them to apply today! To learn more, please visit [the STEM Flight website](#) or reach out to stemedu@stemflights.org for additional information.

Student Application

Students must complete the STEM Flights application, study online aviation and STEM curriculum, and submit a letter of recommendation before they are matched with a pilot. Student applications are accepted year-round and in all 50 states.

Mizzen by Mott

Adventure is out there!

From your local park or schoolyard to the mountain trail, wherever you are, adventure awaits!

Countless studies have found that spending time outdoors builds youth confidence and promotes creativity and imagination. Plus, it reduces stress and fatigue.

That's why, with summer in full swing, Mizzen is providing you with a backpack-full of curated content that's sure to inspire.

Enjoy these outdoor learning experiences below — happy exploring!



Design a Pollinator Garden

Planting a pollinator garden doesn't have to be a big undertaking. Any size is excellent. Design a garden using resources found on Mizzen to guide youth's creativity process while outdoors.

My Little Camp

Youth gather sticks, bark, rocks, and other "building" materials to make tiny tents, cabins, fire rings, picnic tables, trails, signs and anything they'd find while at a campground.



The Best Outdoor Games

Prompted by a variety of random materials, youth work in groups to create a new game. Then, youth rotate to play all of the games.



Windchimes and Mobiles

Youth learn how to make mobiles and windchimes using materials collected from home or outside in their neighborhood.

Check out the [mizzen app](#) today.

Girls Who Code

Start your GWC Club today!

Girls Who Code is an international nonprofit working to close the gender gap in technology. Their free and flexible Club programs empower teachers, librarians, and community volunteers to spark computer science interest among 3rd-12th grade students of all genders.

TOP BENEFITS OF GIRLS WHO CODE CLUBS

Save Time



- 120+ hours of coding tutorials.
- Community-building sisterhood activities.
- GWC Tech Spotlights highlighting diverse innovators in tech.
- Comprehensive meeting guides to run seamlessly.

Deepen Engagement



- \$500 Clubs Fund and swag benefits for eligible Clubs.
- Toolkits and templates for recruiting members.
- Virtual events like GWC Talks and CS Ed Week workshops inspire a new vision of who can be a programmer.

Outcomes with Impact



- Girls Who Code is on track to achieve gender parity in new, entry-level tech jobs by 2030.
- Our alumni are earning computer science and related degrees at 7x the national average.
- Clubs help students hone the skills they need to pursue careers of the future.

Ready to start a club? [sign up here!](#)

Indicate you're part of **New York State Network for Youth Success** on the Clubs application, and you'll unlock additional support, access to special events, and exclusive opportunities for swag. No coding experience required!

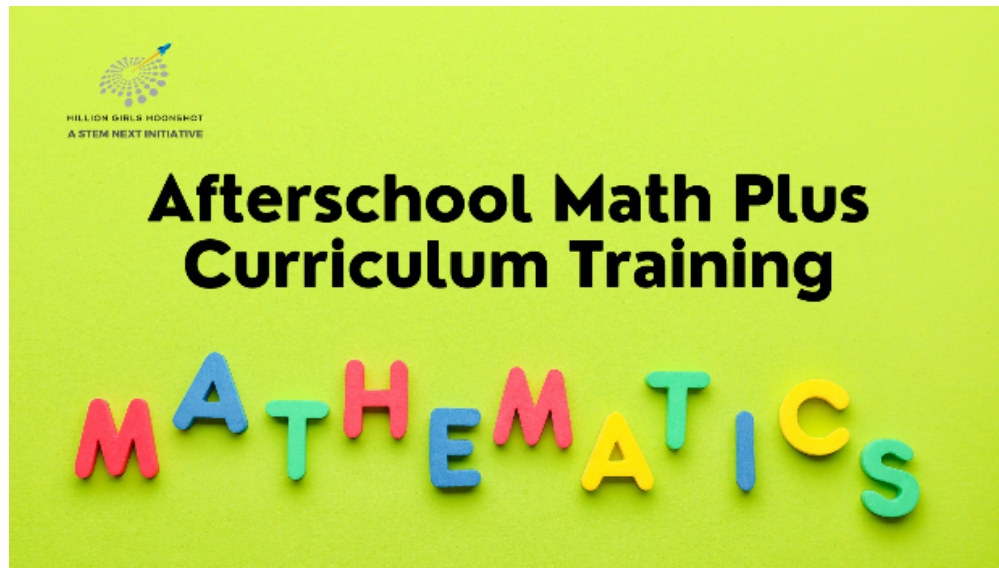
National Aviation Day

August 13th

National Aviation Day is August 13th! Use the following resources to highlight the connection between Engineering to aviation, flight, and all the STEM involved:

- [Try Engineering Lesson Plan: Take Flight!](#) - This lesson for ages 8-12 explores how flight is possible and how engineers have improved glider designs and materials to improve flight accuracy and distance.
- [NASA's Aerospace-related STEM Resources for K-12](#) - A collection of aerospace resources including lesson plans and more.
- [AeroEducate](#) - AeroEducate is a Teacher's Toolbox for aviation and STEM activities. Enhance your existing K-12 curriculum with free, standards-compliant, grab-and-go activities.

More STEAM Events



Click below to register for one or more of the webinars and learn how to use Afterschool Math Plus activities in your afterschool time program.

August 15th | Jump Rope Math: Designing a Math Investigation

Use bar graphs, line graphs, scatter graphs and Venn diagrams to explore different ways of answering math questions about jumping rope.

September 19th | MusicMath: Unexpected Math, Creating Rhythms, and Making Rhythm Patterns

Create musical patterns, then repeat the patterns and think about how to represent the patterns using words, pictures, and symbols.

October 17th | MusicMath: Composing Music (with Math!)

Experiment with repeating patterns and create new arrangements using similar sounds in different sequences.

Note: Each webinar will include strategies to support a positive Math Identity (e.g., role models, career connections, family connections, literacy connections).

Register for each individual training session [here](#).

View previous recordings below:

[April](#)

[May](#)

[June](#)

Oct. 6, 10, 17: Scientific Adventures for Girls Math Curriculum Training (12:00-1:00PM)



The graphic is split into two parts. On the left is a white box with an orange border containing the logo for 'MILLION GIRLS HOONSHOT A STEM NEXT INITIATIVE' (a stylized sunburst with an arrow) and the title 'HARNESSING THE MAGIC OF MATH' in large blue letters. Below the title, it says 'Join Scientific Adventures for Girls for a dynamic three-part virtual training series designed to make math magical through games, kid-friendly data analysis, and nature exploration!' and lists the dates 'October 3, 10, & 17th' and times '12-1PM EST / 9-10AM PST'. On the right is a photograph of a young girl with curly hair, wearing a pink shirt, smiling and holding a light blue card with the math problem $7 + 3$ written on it.

Harnessing the Magic of Math

Join this dynamic three-part virtual training series designed to breathe life into math through games, through meaningful, kid-friendly data analysis, and nature exploration. Sessions focus on strategies that accommodate multiple grade levels and ability levels, helping you meet each student where they are. Prepare to turn your after-school program into a vibrant and engaging mathematical journey!

- **Oct. 3: Let's Play**

Delve into the world where play meets mathematics. In this session, explore how common game pieces, such as dominoes and dice, can be transformed into effective math teaching and exploration tools. You'll learn strategies for presenting math concepts in a playful, engaging manner, catering to different grade levels and ability levels. Also discuss how games can enhance critical thinking, problem-solving, and cooperative learning among students.

- **Oct. 10: Data Detectives**

In our second session, focus on strategies to collect and analyze data in fun and meaningful ways. From measuring the bounce of different balls and exploring exponential decay by

eating M&M's, you'll learn to demonstrate how students can become active participants in the world of gathering and interpreting data.

- **Oct. 17: Nature's Numbers: Exploring Shapes & Patterns**

In our final session, explore the geometric patterns and three-dimensional shapes that exist in the natural world, demonstrating how these can be used to enrich math learning. This session will equip you with strategies to engage all students, from the youngest to the oldest, and from beginner to advanced levels.

REGISTER FOR EACH INDIVIDUAL SESSION [HERE](#)

Deadline Sept. 1: Be a Teen Science Café Moonshot Leader

Do you serve teens (12-18) underrepresented in STEM careers?

Do you believe teens should have access to engineering programming and role models outside of school?

Do you believe teens should have access to engineering programming and role models outside of school?

Selected TSC Moonshot Leaders will receive a \$2,500 stipend to run the 2023-2024 Teen Science Café program.

Apply by Sept. 1

Bring Teen Science Cafés to teens (12-18) in your community!

Support 20+ teens in the 2023-2024 Teen Science Café (TSC) program to help them become Teen Leaders and innovators in their community.

No experience in STEM is required

TEEN SCIENCE CAFÉ NETWORK

MILLION GIRLS MOONSHOT

BE A TEEN SCIENCE CAFÉ MOONSHOT LEADER

Do you serve teens underrepresented in STEM careers? Do you believe teens should have access to engineering programming and role models outside of school? Do you believe teens should have access to engineering programming and role models outside of school? Bring Teen Science Cafés to teens ages 12-18 in your community. Support 20 or more teens throughout the 2023-2024 Teen Science Café (TSC) program year and help them become Teen Leaders and innovators in their community.

[Click here to apply.](#)

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 September submissions to NYSTEAM4girls@gmail.com by 1 PM on **Friday, August 25th**. We will try our best to include all inputs received! Email us at the same address if you have questions.



[Unsubscribe](#)

Alysha Branch <alysha@networkforyouthsuccess.org>
To: Lilian Sturgis <lily@networkforyouthsuccess.org>

Mon, Aug 14, 2023 at 10:24 AM

Good morning Lily,

Since you have already finished the scheduling for facebook for August I figure we can go ahead and get started on content for September. I have already created a new tab on the [Facebook grid](#). Below you will find content that has been in our STEAM news that can be put in the grid for September, I will also send along the last two statewide emails which will also have content that can be added as content for FB.

If you could:

-Copy and paste the content from each article into the September grid (be sure to look at dates and make sure that the content is still relevant)

-Add any links needed to the link section

Once you have done this let me know and I will do a quick review and then let you know it's good to go so that you can begin scheduling this content for September.

Let me know if you have any questions

Alysha

[Quoted text hidden]

--



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.***

(518) 694-0660

alysha@networkforyouthsuccess.org

<https://www.networkforyouthsuccess.org/>

415 River Street, 2nd Floor, Troy, NY 12180