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Your July STEAM Girls' Collaborative Newsletter!

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New York STEAM Girls' Collaborative Newsletter

July 2023



NEW YORK STATE
NETWORK FOR
YOUTH SUCCESS

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Apply Now for Techbridge Girls Curriculum Training

Register today for an upcoming information session



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 are limited, so apply today! Want to learn more? Join an upcoming information session to learn the details.



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.

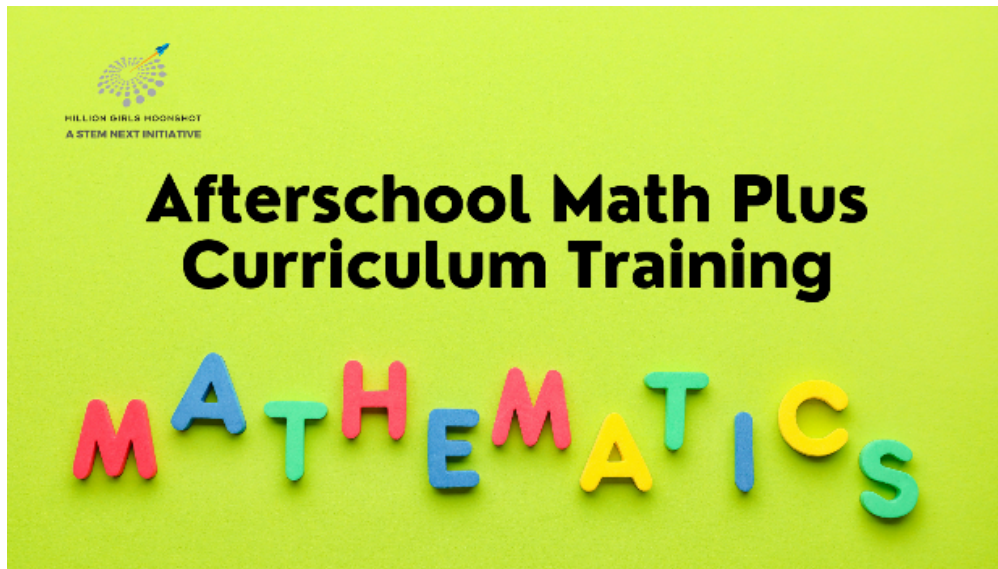
[July 13 at 7:00pm](#)

[August 8 at 3:00pm](#)

[Application Deadline is September 6th!](#)

Afterschool Math Plus

Upcoming Sessions



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.

July 18th | Jump Rope Math: Going to Great Lengths

Observe patterns, create a scatter graph, and analyze data to make predictions about connections between jump rope length and jumper height.

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.

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](#)

National Summer Learning Week

July 10-14



National Summer Learning Week is a celebration dedicated to elevating the importance of summer learning! Let's work together to keep kids safe and healthy every summer, and ensure they return to school ready to succeed!

This is a week-long celebration of the awesome power of summer learning through five unique themes. Scroll down to discover helpful resources, insights on our new themes, and ways you can join the celebration on social media!

2023 Summer Learning Week Themes:

- Love of Literacy & Learning
- Amazing Arts
- Wonders of Wellness, Health & Sports
- STEM
- Community & Leadership

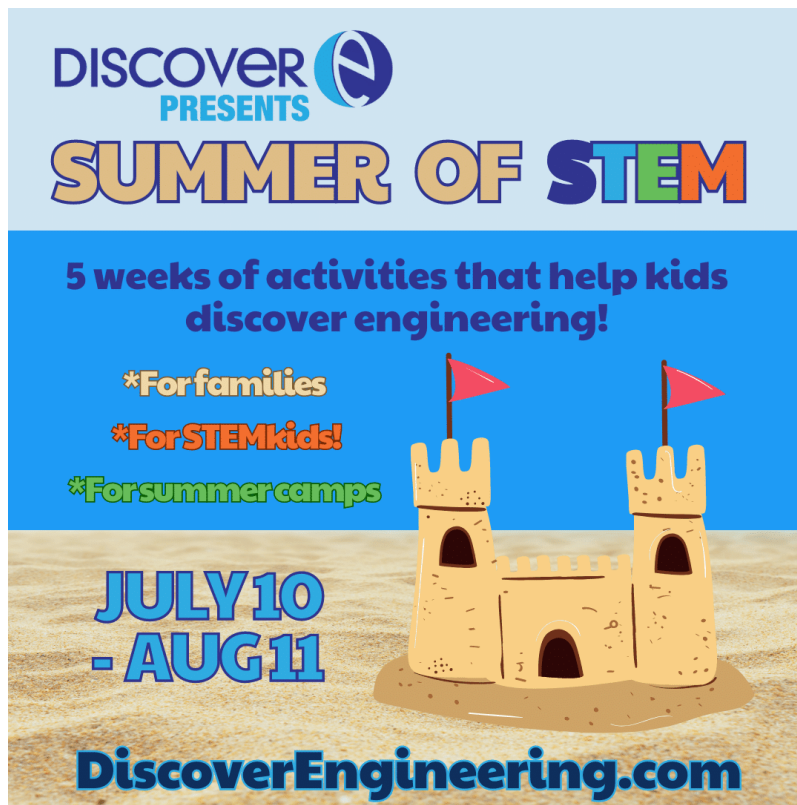
Programs Toolkit

NSLA has created Social Media copy and graphics, sample proclamation language, and flyers. They have also gathered resources from Mizzen by Mott and The Wallace Foundation. [Visit the page](#) for the full list of resources including research studies and data.

Family Resources

[DiscoverSummer.org](#) is your family's stop to find summer programs and resources. NSLA and partners have also created a **Family Resource Guide** with additional tips, insights and resources.

DiscoverE
Summer of STEM



Join DiscoverE for 5 weeks of engineering activities for elementary and middle grade students!

This free DiscoverEngineering program is ready to enrich the summer with creative challenges posed by real engineers!

Sign up now to get early access to the Engineering Journal (available to print or digitally fillable)!

Starting July 10 you'll get a weekly email with links to the video challenge, materials needed, and helpful hints for facilitating successful STEM experiences!

What's Included?

The free Engineering Journal has:

- Activities
- Engineering Design Process Prompts
- Video Challenges
- Interviews with STEM Professionals

Who is this for?

- Summer STEM Camps,
- afterschool programs,
- STEM loving kids,
- libraries & Museums
- Maker spaces
- Parents who need activities to keep your kids busy this summer!

Engineers make a world of difference!

Sign Up Today!

Career Girls

Explore careers in STEM

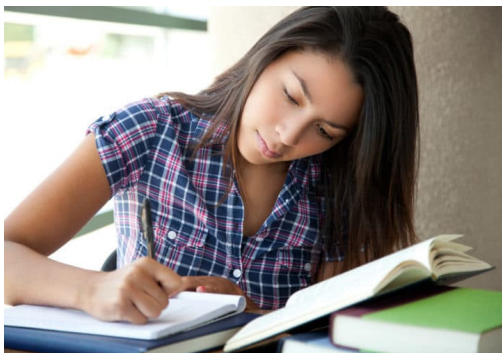
Career Girls is founded on the dream that every girl around the world has access to diverse and accomplished women role models — to learn from their experiences and to discover their own path to empowerment.

CareerGirls.org is a comprehensive video-based career exploration and readiness tool for girls. It's free to use with the largest online collection of career guidance videos focusing exclusively on diverse and accomplished women — over half of whom are in STEM fields.

Check out what Career Girls has to offer?

Explore Careers

Career Girls lets you explore hundreds of careers to find out what different jobs are like and how you can get ready for them. You can explore careers that match your personality or interests. You can also discover careers you never even knew existed!



College Prep

To create the future of your dreams, it's important to start now on developing the confidence, skills, and knowledge you will need to achieve your goals. That might sound like a lot. But the good news is that by being right here, right now, you're already on the way.

Want to see even more? Explore the Career Girls website with a [tour](#) or search the [educator resources](#) for [motivational mini posters](#), [empowerment activities](#) and [helpful toolkits](#).

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!

CSforNY State Summit

Join the 2023 CSForNY State Summit on 9/28 & 9/29

Join the free, virtual **CSForNY State Summit** on **Thursday, 9/28 from 4pm - 7pm** and **Friday, 9/29 from 9am - 2pm** to help New York K-12 educators and leaders increase access to computer science education for all students.

The CSForNY State Summit is an opportunity to build and amplify momentum to reach all students with quality, equitable, and sustainable K-12 computer science education programs.

Participants will hear from experienced computer science teachers, schools and districts who have fully implemented our state standards, New York's new CS teacher certification programs, resource providers, and leaders from across the

2023
CSForNY
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Thursday 9/28, 4pm - 7pm
Friday 9/29, 9am - 2pm

www.CSForNY.org

state, including our State Department of Education.

Register for the 2023 CSForNY State Summit [here on the summit website.](#)

Every New York student deserves access to computer science regardless of zip code, race, gender, or economic background.

Activities

Building Engineering mindsets with NASA

Looking for activities you can implement in your afterschool program today? Say goodbye to googling or searching on Pinterest. Use the following activities in sequence to support youth in building an engineering mindset.

- **First Woman Camp Experience:** Hands-on activities that accompany NASA's "First Woman" graphic novel series
- **James Webb Space Telescope STEM Toolkit:** Virtual and classroom resources related to the James Webb Space Telescope.
- **Sun STEM Toolkit:** Virtual and classroom resources related to the sun.
- **Sustainable Aviation STEM Toolkit:** Virtual and classroom resources related to aviation.
- **NASA Coloring Pages:** Color and learn about some faraway worlds with these coloring pages.
- **NASA for Students Grades K-4:** Fun activities centered around all things NASA. Games, puzzles, color, and more.
- **Space Place Art Challenge:** Space Place monthly art missions. Draw, color or paint the subject of the month.
- **Climate Kids:** Learn about weather and climate through games, activities, and videos
- **Build to Launch with LEGO Education and Artemis I:** An interactive digital learning adventure that explores the Artemis I mission to the Moon.
- **Clean Room - Europa Clipper:** Watch this live YouTube stream as NASA's Europa Clipper, is built and tested.
- **Learn the Phases of the Moon:** Assemble a printable Moon Phases Calendar and Calculator.
- **Night Sky Network:** Astronomy clubs bring the wonder of the universe to the public.
- **NASA Space Voyagers Game:** A strategy card game where students explore the solar system.
- **Mars Scavenger Hunt!:** Students participate in a Martian mission by completing the Mars scavenger hunt.

More STEAM Events

Jul. 30 & Aug. 1: NYS STEM Education Collaborative Conference

Earn up to 17 CTLE Professional Learning Hours across 8 sessions covering diverse STEM presentations. Attendees can also enjoy tours, keynote speaker, STEM trivia and more!

Click here to learn more and [register](#).



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

HILLION GIRLS MOONSHOT
A STEM NEXT INITIATIVE

HARNESSING THE MAGIC OF MATH

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!

October 3, 10, & 17th
12-1PM EST / 9-10AM PST

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 Cafe 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?

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

Apply by Sept. 1

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

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 August submissions to NYSTEAM4girls@gmail.com by 1 PM on **Friday, July 28th**. We will try our best to include all inputs received! Email us at the same address if you have questions.

