



The Iowa Million Girls Moonshot Minute

March 2021

Welcome to the Iowa Million Girls Moonshot Minute! This new, monthly publication from the Iowa Afterschool Alliance provides dozens of STEM out-of-school time professional development opportunities and activities to strengthen the quality of programs across the state. We hope that you find these resources valuable! Learn more about the national Million Girls Moonshot movement [here](#).

Iowa STEM Resources and Trainings

Survey

Let's Show the Nation how Iowa does STEM in Afterschool!

The Iowa Afterschool Alliance is a part of the Million Girls Moonshot, helping out-of-school time programs as they increase the quality of STEM learning opportunities for all young people, especially for underserved and underrepresented youth. (Learn more [here](#))

The Moonshot seeks to re-imagine who can engineer, who can build, who can make. It will inspire and prepare the next generation of innovators by engaging one million more girls in Science, Technology, Engineering, and Math (STEM) learning opportunities through afterschool and summer programs over the next 5 years.

Every state is asking afterschool and summer programs to share more about how they do STEM through a nationwide survey. Please join this important effort! Your answers will help us to better understand how we can best support afterschool and summer programs statewide. The survey should take 5-10 minutes to complete.

Everyone who completes the survey will have exclusive access to a webinar on engaging kids in hands-on engineering activities from home. Everyone who responds will be entered into a drawing for a \$100 gift certificate.

[Click Here to Take the Survey!](#)

Million Girls Moonshot Resources

Featured Webinars

Quality Trainings with PEAR

As an implementation partner for the Million Girls Moonshot Initiative, PEAR is thrilled to offer a three-part training series to all state networks and participating programs at no cost! Registration is still open for the last webinar in the series.



PEAR invites program staff and coordinators to leverage the free Dimensions of Success (DoS) Program Planning Tool (PPT) during these guided, interactive sessions focused on creating authentic plans to support quality programming and maximize positive outcomes for youth and educators.

PART III: Creating Change: Leveraging DoS Toward Continuous Growth

April 27th, 2:00pm - 3:00 pm CST (Deadline to Register: Friday March 26th)

REGISTER FOR WEBINAR

Learning Goals:

- Learn how to use the freely available DoS planning tool and related data collection tools to grow and strengthen programming
- Discuss how to sustainability leverage data and planning resources to continue strengthening STEM and SED in your program/network

Best Practice and Professional Development

For STEM Partners

- **The Afterschool STEM Hub** - Includes communication tools related to making the case for STEM afterschool and equity and inclusion.
- **IF/THEN Collection Assets: Role Model Profile Videos** - The below assets are free profile videos of IF/THEN Ambassador and nuclear engineer, Dr. Ciara Sivels.
 - **Long profile** of Dr. Ciara Sivels
 - **Short profile** of Dr. Ciara Sivels
 - **Short profile 2** of Dr. Ciara Sivels

For Programs and Providers

- **Toolkit: Creating Connections with Role Models: The Power of Collaboration** - This guide is designed to help recruit and prepare role models to inspire girls in science, technology, and engineering. Techbridge Girls outlines their “recipe for success” for role models and provides tips for training. While this guide has been designed with input from partners in the National Girls Collaborative Project, they encourage you to tailor their suggestions to meet the needs of your role models and the interests of your girls.
- **IF/THEN Collection Assets** - The below assets feature IF/THEN Ambassador, Dr. Ciara Sivels, a nuclear engineer and role model. Free activity sheet and accompanying video from GoldieBlox’s Curiosity Camp series.
 - Curiosity Camp: **Pom Pom Launcher Activity Sheet** with **All About Nuclear Engineering: What it’s Really Like to be a Nuclear Engineer** video featuring IF/THEN Ambassador and nuclear engineer, Dr. Ciara Sivels. This is one of many activity sheets and accompanying videos that can be found on the **IF/THEN Collection**. These activity sheets and videos are designed to be plug and play for programs.
 - **Posters: This is what a scientist looks like poster** of IF/THEN Ambassador and nuclear engineer, Dr. Ciara Sivels. This poster can be used in your physical spaces to highlight an inspiring role model in nuclear engineering.

Together at Home – Activities for Youth and Families

- **Student Activity: Design a Space Capsule** - This activity amplifies four engineering mindset habits of practice: evaluate and iterate, persist and learn from failure, work in teams, and identify as engineers as students work through their **engineering journal**.
- **Student Activity: Engineer a Stringed Instrument** - This activity amplifies three engineering mindset habits of practice: balancing criteria and constraints, applying science and math, and envisioning multiple solutions as students work their **engineering journal**.

Mizzen by Mott App

Mizzen By Mott inspires, engages and sparks learning in young people. Supported by the Mott Foundation, Mizzen is available at no cost to afterschool professionals! Please be sure to download the Mizzen By Mott app to access the activities below.

- Aluminum Boats and the Edmund Fitzgerald
- Build Your Own Roller Coaster
- Engineering a Tetrahedron Kite
- Make It Move 1 -5: Transportation Prototype Design Challenge

This work of the Iowa Afterschool Alliance is made possible by funding from STEM Next and the Million Girls Moonshot Innovator Grant. The mission of MGM is to expand STEM opportunities, specifically in the field of Engineering, for girls across the United States, which is made possible through state partnerships.

