



MILLION GIRLS MOONSHOT

Equity and Inclusion in STEM

Million Girls Moonshot is committed to work with its networks to support your efforts to manage the impact of Covid-19 crisis and denounce hatred and racial injustice. Collectively, we can work together to ensure that students have more gender equitable and culturally responsive learning opportunities that engage and help girls thrive in engineering and STEM more broadly.



Virtual Professional Development

For Partners, Networks, and Programs

Share the following best practices and tools with partners and use them to create professional development for programs in your state.

[Broadening Perspectives on Broadening Participation in STEM – A Toolkit](#)

This Toolkit was produced by CAISE, the Center for Advancement of Informal Science Education, and provides strategies and tools for trainers and educators who are looking for ways to strengthen efforts to broaden participation.

[SciGirls Strategies: How to Engage Girls in STEM](#)

These strategies create a more gender equitable and culturally responsive learning environment that inspires, engages, and helps girls thrive in engineering and STEM more broadly. This book outlines the educational approach, rooted in what research has revealed engages girls in STEM. These strategies have also been proven to work with all learners.

[STEM Teaching Tools](#)

The STEM Teaching Tools site has tools to help providers teach STEM. **Each tool** is focused on a specific issue and leverages the best knowledge from research and practice. Under the **News section**, you can learn a bit more about how you might use them. Review more resources in the **Tools area** and check out the online short courses.

[Access Computing Online Learning Strategies for Students with Disabilities](#)

Students with disabilities may want to adopt specific strategies for learning as they transition to online courses. Many students with disabilities have shared their experiences and recommendations for online learning; the DO-IT Center has compiled the advice into easy digestible resources including technological resources.

Together at Home

Engineering Mindset Activities for Programs, Youth and Families

Share the following activities with programs, families, and youth for additional engineering and STEM at home.

[DiscoveryE at Home Engineering](#)

Tips and advice for engaging youth in the engineering design process and how this youth-centered learning strategy can work for afterschool professionals and families at home.

- [Equity in STEM Education: The Connection to Culture: Recorded webinar and supporting materials](#)

[TryEngineering COVID-19 Response eLearning](#)

TryEngineering has curated free resources available to support teachers and parents for learning at home.

Additional Virtual Professional Development

Connecting Programs

Share the following webinars with partners and programs looking for additional professional development opportunities to build their understanding of equity and inclusion, engineering and STEM.

[The Intercultural Development Research Association](#)

an independent, non-profit organization. whose mission is to achieve equal educational opportunity for every young person.

- [Equitable Practices for Teaching Online](#) - Recorded webinar helps educators rethink their lesson plans for an online platform, including resources like educator-created YouTube channels and explainer videos, tools for sharing resources with partners and peers.
- [Teaching Middle School Science in Virtual Learning Environment](#) - Recorded webinar explores how to leverage online platforms (including Educreations, Explain Everything, Quizlet and Padlet) to make high-quality science learning interactive and hands-on from home.

[National Girls Collaborative Project and SciGirls](#)

empowers educators to create a more gender equitable and culturally responsive learning environment.

- [Girl STEAM Ahead with NASA Free Resources](#): Recorded webinar and supporting materials
- [Equity in STEM Education](#): The Connection Culture: Recorded webinar and supporting materials



For professional development events, trainings, and webinars, visit ALACN.org:
"Million Girls Moonshot" page under "Resources"



ALACN is excited to be part of the Million Girls Moonshot, a collective impact initiative designed to increase diversity and equity in STEM. The Million Girls Moonshot will help close the persistent gender gap in STEM fields by engaging one million girls across the United States in STEM pursuits through high-quality, innovative afterschool learning opportunities over the next five years.