

WIE TOP TIPS FOR DELIVERING STEM ACTIVITIES TO GIRLS

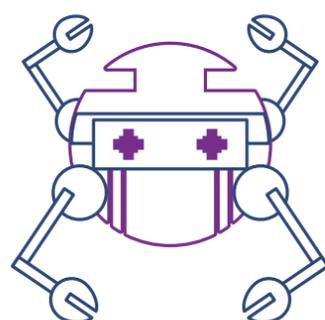


AVOID STEREOTYPING ACTIVITIES

Avoid stereotyping activities and tasks when teaching girls to problem solve (e.g. Girls can code computer games and build robots). In computer science programming, use examples that show how STEM activities can benefit society.

STEM IS FUN

STEM is fun! Make activities, workshops and sessions hands-on and interactive (e.g. magnetic-levitation train, LED headbands, racing cars, building a radio, building a robot to teach, code a game, develop some artificial intelligence etc.). Provide a feedback mechanism so that you know what worked and what didn't.



INSPIRE

Have high school or university girls assist in delivering the workshop—it will inspire younger girls to be “just like them” and get the older girls excited about staying on the path of math and science.

SEEK OUT PARTNERSHIPS

Reach out to your local libraries, museums, scouting organization, speakers for schools, universities and your local WIE Affinity Group to see what they might already offer, and consider partnering with them to offer girls even more access to great STEM activities.



INSPIRE CAREER PATHS

Ensure your activities provide girls with a sense of the career pathway that they can consider in STEM. For instance, if you are providing a hands-on activity in aviation, try to bring a woman who is accomplished in that field to inspire girls.

BROADENS THEIR MINDS

Whenever possible, provide an event or activity that reaches out to underrepresented groups. Building awareness about the myriad of STEM careers is critical to helping those girls consider STEM fields. Also, work to find a successful underrepresented woman in that field to speak at the activity to further inspire success and provide support.



ENCOURAGE STUDY SKILLS

If your activity includes the application of math—point that out and encourage girls to feel confident about their math ability. We still lose girls at about 10-years old who convince themselves that they shouldn't pursue math because they are “not good at it” or it's “too hard.”

KEEP IN TOUCH

Provide a follow-up after your activity/event/workshop is completed so that girls can continue to be inspired on their STEM career pathway. Get them involved in future events and activities to share their journeys as they grow.



MENTORSHIP

Work with local WIE Affinity Groups to provide access to mentors for girls.

A BETTER WORLD

Help girls to understand how STEM fields make the world a better place, and that by pursuing a STEM career, they can change the world!

