

Girl Powered®

Building More Than Just Robots

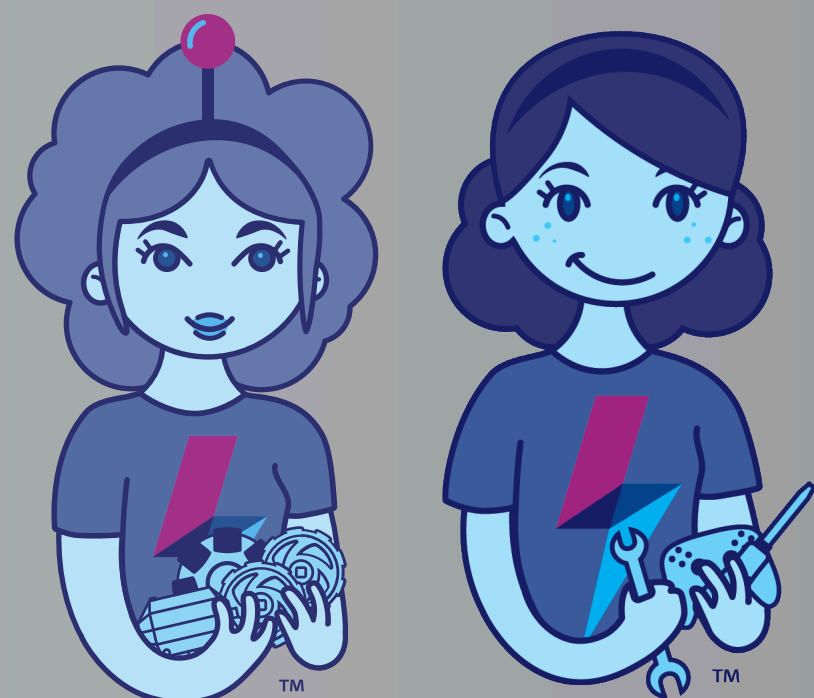
Building Inclusive Environments

Studies show that although girls and boys show equal interest in STEM subjects, multiple factors eventually lead to women only representing 30% of the STEM workforce. In order to make robotics reflective of the diverse world we live in, The Robotics Education & Competition (REC) Foundation and VEX Robotics founded the #GirlPowered initiative, which provides an inclusive environment for all young students pursuing STEM.

How does #GirlPowered promote and build inclusive environments? By actively encouraging all robotics participants (whether students, mentors, or supporters) to welcome and support students of all backgrounds. Whether supporting teammates to reach outside their comfort zones, encouraging girls to try robotics, showing girls they belong in robotics, or actively embracing a more diverse culture, being Girl Powered means creating an inclusive environment that changes the definition of what a STEM expert looks like.



#GirlPowered Encourages
Robotics for Everyone



#GirlPowered Offers
Workshops that Empower

Building Valuable Skills

#GirlPowered isn't just a slogan or an idea; it's a call to action. And this initiative makes sure to take action and provide girls with the tools they need to jumpstart their STEM careers. The #GirlPowered Initiative provides various workshops on its website that Teachers can use to engage students in various STEM activities. These workshops are virtual or small in-person events hosted by the #GirlPowered community that informs and engages young women about opportunities they may not be aware of at the moment.

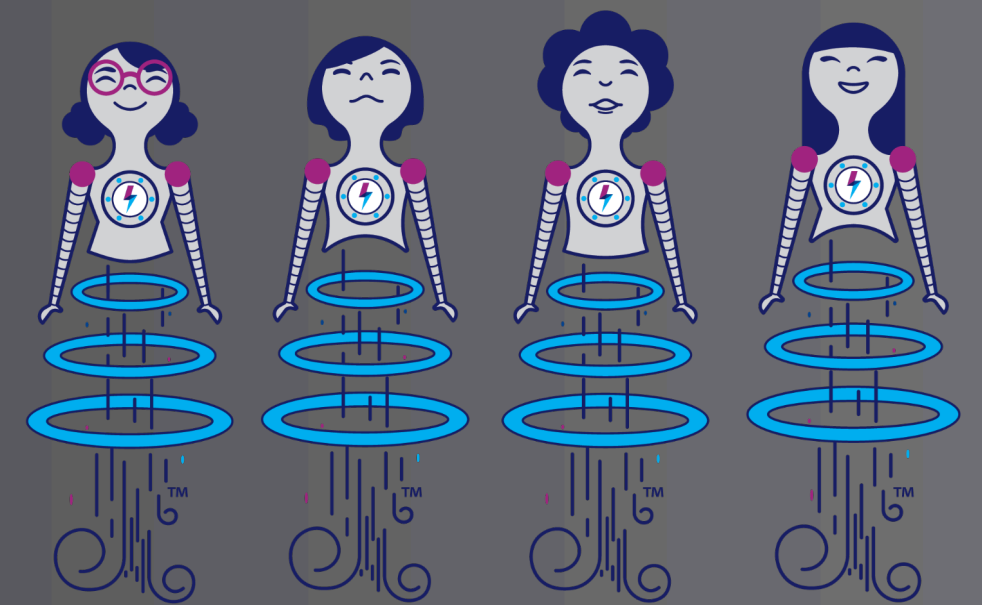
These workshops give young women foundational knowledge of both STEM and robotics, which has been proven to be a highly effective method to keep young women involved in STEM activities. #GirlPowered also highly encourages event hosts to hold a special event each year in honor of International Day of the Girl. In the end, these #GirlPowered workshops build both STEM skills and create newfound confidence in the girls that participate in them.

Building Diverse Teams

#GirlPowered is proud to provide financial resources for teams looking to promote diversity in robotics. Specifically, in order to ensure a diverse culture in VEX Robotics Competitions, #GirlPowered has created many training programs and calls-to-action to promote building such inclusive and diverse robotics teams. One of these are the #GirlPowered grants. The Girl Powered grants, found on RoboticsEducation.org, are open for anyone wanting to start a team that is at least 50% women. In the end, #GirlPowered is creating diversity at all levels of the VEX Robotics Competition.

VEX IQ
CHALLENGE

VEX
ROBOTICS
COMPETITION



#GirlPowered is Changing What
a Robotics Team Looks Like

Building New Possibilities



#GirlPowered is Redefining
the STEM Workforce

If #GirlPowered hasn't already gotten you excited about joining the initiative and changing the landscape of robotics, let us remind you of one last reason to support the initiative. #GirlPowered is creating new possibilities for young women in STEM. By providing workshops, financial resources, and a supportive community, more and more young women will be encouraged to join STEM activities at school. And by increasing the number of women participating in STEM activities at school, there will be a ripple effect.

More women will pursue STEM degrees in college, which will result in more women joining the STEM workforce upon graduation. This will lead to more diverse and inclusive environments at various companies and organizations across the world. Most importantly, #GirlPowered is opening up opportunities for young women to continue making important contributions to multiple stem fields. Such changes will lead to more opportunities for young women across the world. In the end, #GirlPowered is an important initiative because it will inspire the next generation of great scientists, researchers, engineers, and other innovators.