

STEM and Robotics

- Girl Scouts gives girls opportunities to take the lead in the world of science, technology, engineering, and math (STEM) through hands-on “learning by doing” in a girl-focused, girl-led environment.
- At Girl Scouts, we’re committed to increasing girls’ involvement in science, technology, engineering, and math (STEM) and ensuring that every girl has opportunities to explore and build potential career paths in these important fields.
 - Girls are interested in science, technology, engineering, and math (STEM)—but too many don’t see a future for themselves in these fields. A Girl Scout Research Institute study, *Generation STEM: What Girls Say About Science, Technology, Engineering, and Math*, found that:
 - 74 percent of girls say they’re interested in STEM.
 - Only 13 percent of interested girls say a career in STEM is their first choice.
 - Half of all girls feel that STEM isn’t a typical career path for girls.
- At Girl Scouts, 81 percent of girls who took part in a robotics evaluation agreed that because of Girl Scouts, they’ve been a leader in more activities with friends, in class, or in their community.
- Girls lead their own explorations in Girl Scouts’ science, technology, engineering, and math (STEM) programs. A majority of girls in these programs agree that they have many opportunities to decide what they do and how they do it and that they have more of a say than they do in other programs.
- Hands-on learning techniques are at the core of Girl Scout programming and have been since 1913, when Girl Scouts created its Electrician and Flyer badges, the very first STEM-related badges.
- No other organization comes close to providing the scope and variety of evidence-based out-of-school educational and leadership opportunities, including those in science, technology, engineering, and math (STEM), specifically designed for girls.
 - There is no other organization that provides the breadth and depth of year-round science, technology, engineering, and math (STEM) programming specifically for girls. Our STEM programs:
 - Adopt a collaborative approach to scientific problem solving and experimentation
 - Allow girls to see themselves in STEM careers by getting them excited about the subjects at an early age
 - Demonstrate how STEM fields make a difference in the world
 - Build girls’ self-confidence and expose them to role models and careers in STEM
 - Teach them to challenge gender stereotypes
- At Girl Scouts, we recognize that the science, technology, engineering, and math (STEM) professional of tomorrow is different from the STEM professional of yesterday.
- We strive to create experiences in different forums in order to reach as many girls from as many different backgrounds, including income levels, as possible.
- We never want a girl’s circumstances or gender to block her from exploring her abilities and interests in science, technology, engineering, and math (STEM)!