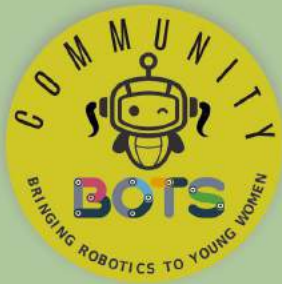


Provide training and equipment in STEM-robotics for girls and their teachers in underserved communities around the world along with academic support so that the girls can pursue a STEM career.



"I THOUGHT  
**ONLY BOYS**  
DID ROBOTICS."

And this quote is often echoed throughout middle schools throughout the world. It's one of the reasons why The Community Bots program was developed. The Community Bots is designed to provide training in STEM-robotics for middle school girls in underserved communities in New York City and around the world. The founders, who are educators in New York City, understand the importance of learning STEM-robotics and the impact it has on the confidence, strength, and academic success of young girls. As educators, they have extended their passion in the field of science and technology to leading an after-school robotics program. As leaders in their field, they participated in the FIRST LEGO League (FLL) and RoboCupJunior competitions, national and international programs.



Leading all-girls robotics teams provided a perspective on two stark needs:

How to get more girls to participate in robotics and other STEM/engineering fields.

How to ensure that the robotics equipment used for yearly competitions was upcycled and put to use at schools that may not be able to afford the equipment.

With their unique perspective and hands-on experience as a guide, The Community Bots was born. The equation for success is simple:

**The more teachers that are trained = the more impact on girls learning environment throughout the year**



The Community Bots was created because the founders saw the important role that participation in STEM-robotics can have on girls during their impressionable middle school years. These years are often the most vulnerable for girls who can form negative stereotypes around gender. The organization fills a distinct need: we create sustainable training programs that can be measured and scaled to reach underserved middle school girls throughout the year in New York City and internationally.

We have served hundreds of students and built measurable teacher training programs that bring results. We have set up programs with administrators to integrate The Community Bots program into the curriculum. We have worked in schools in Nicaragua and the Dominican Republic and have initiated programs with the administrators in select systems in Spain and Jamaica that launched in the summer 2020. Two years ago, we gained our 501(c)(3) status and are seeking to grow our impact.

## HOW WE DO IT:

It is really one brick at a time. We are systematic about the approach so that we can get results and have an impact on each group in a way that is meaningful:



**EQUIPMENT DONATION:** We donate equipment to our partnering programs (schools and after-school programs) by gathering and refurbishing robotics equipment and, in some cases, providing new equipment.



**PROGRAM DEVELOPMENT:** Together with the newly trained teachers, we run our one-week, introductory Fun with Robotics course for the students.



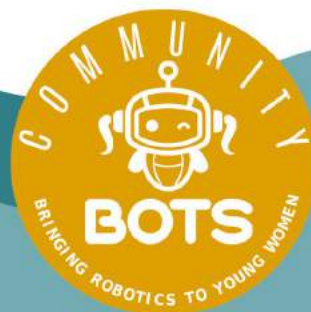
**TRAINING:** We train the teachers in these programs on how to use a pedagogy that is student centered, fun, and engaging while celebrating the achievements of women in the STEM-robotics field. This intensive training course is designed to build a program and have measurable results.



**SUSTAINABILITY OF PROGRAM:** We continue to support our partnering programs so that the curriculum and resources are sustainable. Once our partnering programs successfully implement the curriculum on their own over a two-year period, we provide them with updated robotics equipment together with ongoing support and training.

## BUILT-IN SUCCESS METRICS:

- Preparation of trimester goals and action steps.
  - Bring in members of the school's administration team.
  - Connect with local community resources to help build an environment where girls see that robotics and engineering can be a career.
  - Extend the Fun with Robotics summer coursework into the school year.
  - Begin establishment of a FIRST LEGO League (FLL), World Robot Olympiad, or other teams.
  - Support and training consist of rigorous follow-up so program grows within the school systems.
- We ensure that donations are maximized with an eye towards efficiency and effectiveness.



Please visit us at  
[www.CommunityBots.org](http://www.CommunityBots.org)



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