

Omni Girls: Four Girls and a Robot

By:

Emma Scott

Evalee

Vera

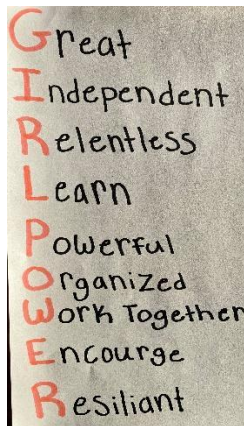
Willa

Team number: 3701A

Location of team: Brookwood Forest Elementary in Birmingham, Alabama

Our goal: To inspire more girls to do robotics

When our robotics team thinks of GIRL POWER, we think that means that girls stick together. For example, when one of our team members is frustrated or not feeling their all, we help them out and make them feel better, and we fill in for them. Like if we are working on a hard thing and someone can not figure it out they step out and let someone else try to figure it out with a new set of eyes. In our opinion that is what it means to stick together. Girl Power is reflected in our team because girls are organized, strategized, and all best friends. Our parts box is organized so we can find things easily. Before we do a match we make a plan with our team and practice so we can get the most points possible. We are all best friends so we listen and do not get upset with our teammates.



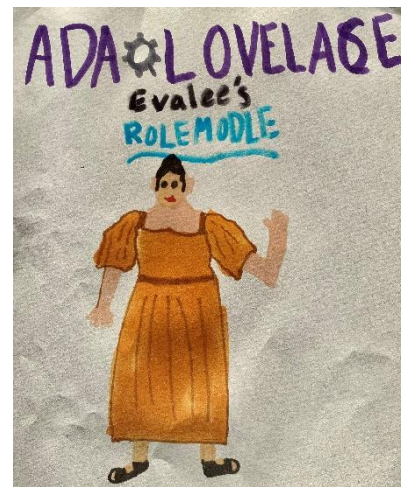
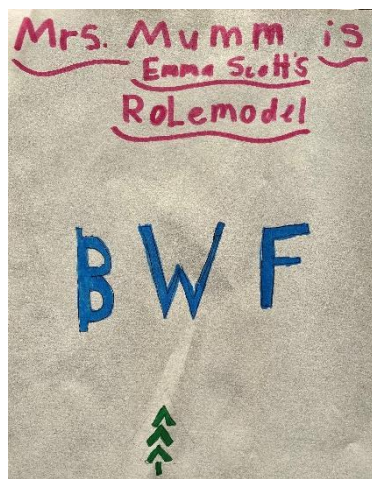
Our team is made up of all girls: two that were on the same team last year, one that was with all boys last year, and one that has never done robotics before. This combination is great because that makes our team different in all sorts of ways. For example, the people from last year can stop us from repeating mistakes they did last year. The person from a boys' team can help us with projects like this essay because she is the only one who knows what it feels like to be on a team of boys, compared to a team of girls, in robotics. Lastly our new member can be a good set of fresh eyes to see little mistakes that some of us might have missed or she can come up with new ideas we haven't thought of yet. Diversity can also lead to having a team that can talk and work together efficiently because we all have different thoughts and experiences so we can talk about what might be the best thing to do.



We like to switch roles because we get to do the jobs that are our favorites and that we're the best at, then we get to improve on the jobs that we do not like as much or are not as good at. We think it's good to switch jobs because a fresh set of eyes could see any little mistake you might have made and give positive feedback. We learn compromise from switching roles.

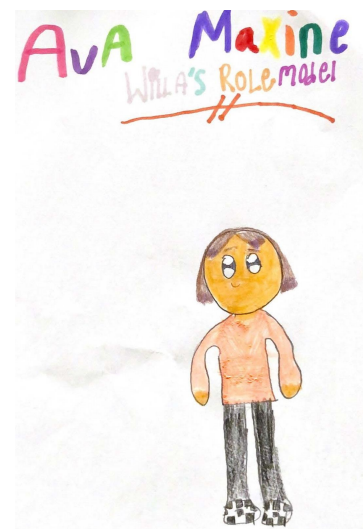


All our stem role models are different, but what they have in common is that all of them are smart, persistent, and willing to teach others.



Evalee's role model is Ada Lovelace because she likes coding and is fascinated in how she made the first code. Ada inspires Evalee because she was a strong advocate for the role of women in science and technology, and she encouraged other women to pursue careers in these fields. In addition, Ada was a highly intelligent and creative individual who used her skills and knowledge to make important contributions to the field of computing and to inspire others to do the same. Her persistence inspires Evalee to continue trying when she codes something hard.

Ava Maxine is Willa's role model and older sister because she did robotics for 2 years before covid. She had a great time making friends, being the team journalist, and driving the robot, which inspired Willa to do robotics. When Willa saw her in competitions she liked how you got to build a cool robot, how you got to code, how you got to drive the bot, and how you got to make nice friends. Willa was also inspired by how much Ava Maxine learned in her time doing robotics. Ava Maxine's knowledge on robots and fun in robotics inspired Willa to do robotics, try hard, persist, learn about coding and robots, and have fun.













Mrs. Mum is Emma Scott's role model because she is so sweet and inspires girls to do robotics. She is always encouraging us to do our best and keep trying. If we are confused about something she will explain it and make it more clear. She is a great coder and she has been teaching robotics at our school for a long time. She has also been to worlds so she knows what to expect. She has a big heart and has a son so she works well with kids.

Mrs. Jennet is Vera's role model because she is a great robotics teacher and is good with her students. For example, when a student doesn't understand she explains to them until they do. She also knows a lot about robotics and has been to many robotics competitions so she can answer questions that we might have. Another reason that Vera likes her is she pushes her students to be the best they can be. She is also our STEM teacher so she knows where we are in STEM which can always help with robotics.

Is robotics for you?

If you like this... Then you would love this

 <p>Legos, magnetic or Wooden block kits</p>	 <p>Building Robots and upgrading them!</p>
 <p>Code.org or scratch like programs</p>	 <p>Coding and programming Robots!</p>
 <p>Playing video games</p>	 <p>Driving Robots!</p>
 <p>Art and drawing</p>	 <p>Designing Robots!</p>
 <p>Fun with friends</p>	 <p>Making friends and having tons of fun!</p>

Our team attracts a diverse group of people because we all talk to our friends and tell them about robotics and what you do in robotics and why it is fun to us, so that they might decide that sounds fun too. In addition Evalee won the poster challenge last year and now it is hanging up in the hall so that everyone can see it and we are planning to try again. The poster shows that robotics isn't just building but also coding, driving, designing, and working with friends.