

Girl Powered

A Turning Point in STEM



Starting from Zero

8787A is made up of a brand new team because the seniors that left created a substantial gap in individual teams. We decided to all come together and create a brand new team: 8787A. 8787A has a very different structure compared to our other teams for one very distinct reason: we are a team of both girls and boys. Having both girls and boys creates a very different team dynamic because we are able to generate better ideas due to the diverse points of view.





Isaac Perez
CADer



Samantha Ramos
CADer



Amanda Coons
Builder & Engineering Notebook



Sara
Engineering Notebook



Carlos Rodriguez
Builder & Driver



Diana Segura
Programmer



Steven Sanchez
Builder

What is Girl Powered?

To us, Girl Powered means giving equal opportunities and encouragement to both boys and girls. We proudly represent this movement in our team by everyone being able to contribute equally to the team and work towards the same goal: success. The various roles in our team exemplify the diversity that we strive for when we say:

“We are Girl Powered.”



Why is this movement important?

We are certain that without Girl Powered our team would not be prosperous. Working towards the Girl Powered movement significantly improved our team's work ethic as it taught us to be open to challenges and not be intimidated by them. Therefore, new members try different jobs such as CAD-ing, programming, building, scouting, engineering notebook, to determine what they like best and where they are most helpful to the team. Through trial and error we recognize our strengths and shortcomings as well as realize that all jobs are equally important; we are all relevant in the STEM field which has been one of the lessons learned through Girl Powered. Even though each team member has different personalities and comes from diverse backgrounds, we work exceptionally well since we find our strength in our differences; we learn to listen and appreciate the unfamiliar, embracing insightful ideas that generate success.

Girl Powered in Action

In order to spread this amazing movement we have hosted the world's largest Girl Powered conferences in the world three years in a row. Although we fundraise all year, we ask for sponsors, and we spend countless hours preparing for this annual conference, we know it's our responsibility to expand this great movement that makes us a successful team. Thanks to the Eastwood Robotics team's hard work, we have been able to host hundreds of girls, feed all of them, and provide them with a free Girl Powered shirt in order to remind them they are capable of anything they set their minds to.

EASTWOOD ROBOTICS

INVITES ALL GIRLS
3RD-12TH GRADE
TO

Girl Powered

AT
EASTWOOD HIGH SCHOOL

OCTOBER 12
9:30-2:30

REGISTER NOW

<https://goo.gl/7KZ2DX>

OR



The flyer for our third year.

The flyer for our second year.

EASTWOOD ROBOTICS
PRESENTS
2018 GIRL POWERED EL PASO
AT

UTEP
OCT. 12 AT UGLC
From 9 to 2
FOR MORE INFORMATION
go to
<https://goo.gl/KWIXYE>



All EL Paso, New Mexico and Juarez
From 3rd grade to 12th
Please Register



Preparation

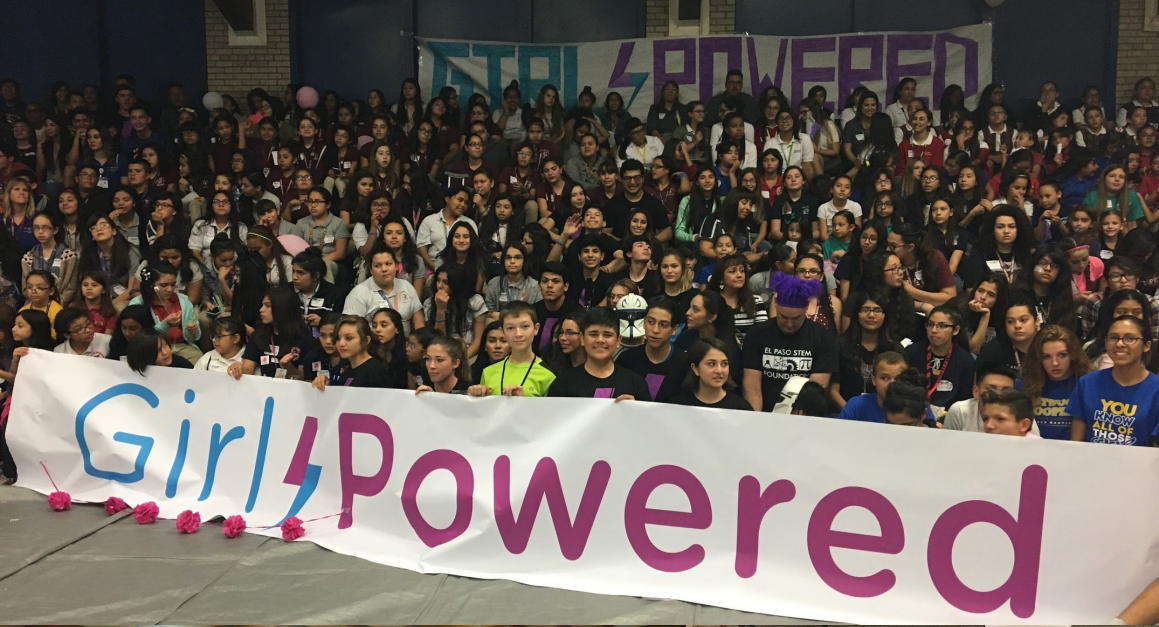
Hosting a Girl Powered conference is a challenge we face annually. Our first year we knew we had to take action to support this movement, but we had to start from scratch. Our second year we faced the challenge of school construction and demolition. Nevertheless, our determination prevailed. By our third year, our conference was so successful that we had to host it in The University of Texas at El Paso due to capacity limits. Although we fundraise tirelessly and work diligently, the girls' smiles make every second worth it.



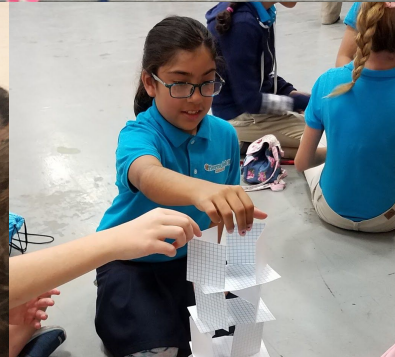
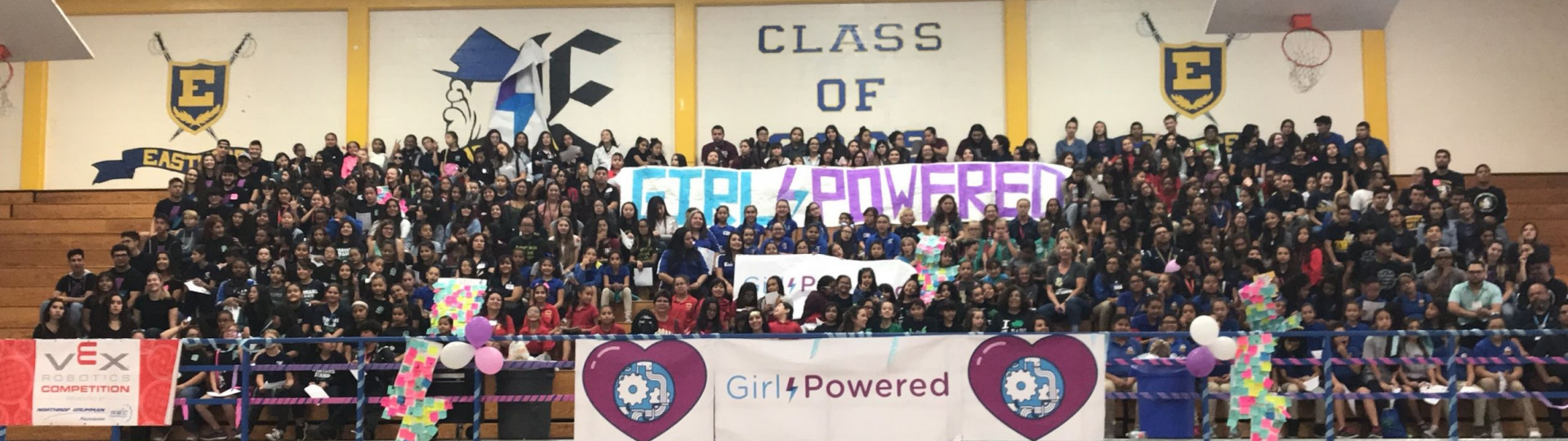
Inside the Conference

In these conferences we teach young girls (from Kindergarten to high school seniors) how to program graphically, in natural language, and even in HTML! They also learn how to build, program, and drive a VEX IQ robot. Girls learn about binary, website design, the engineering notebook, competitions, motivation, careers, and much more! We strive to encourage girls to join the STEM field and close the massive gender gap by showing them that STEM is a field where anyone is welcome and capable of anything.





Year 1



Year 2



Year 3

Beyond Girl Powered

Not only do we host annual Girl Powered events to generate diversity in the STEM field, but we also participate in wide-ranging events throughout our community to raise awareness of this prevalent problem and to expose kids to the different aspects of the STEM field. We begin the year by hosting our annual robotics summer camp for incoming freshmen and middle schoolers focusing on building, programming and driving VEX IQ. Throughout the school year, Eastwood Robotics joins different organizations and local schools in engaging our young community in the STEM field. Eastwood's Robotic team strives to reach out to our community of young learners as we promote the beauty and importance of STEM.





Girl Powered[®]

Girl Powered is redefining previously established norms and encouraging young girls to take part in STEM. This movement generates diversity which our society longs for and desperately needs. 8787A is Girl Powered because we believe in change. We believe that hosting these annual Girl Powered conventions can shift the statistics from 24% of women making up STEM careers to 50%.



**Diversity is what's going to change the world-
- Girl Powered is the perfect place to start.**

TM

A Turning Point in STEM

Author: Diana Segura

Team: 8787A