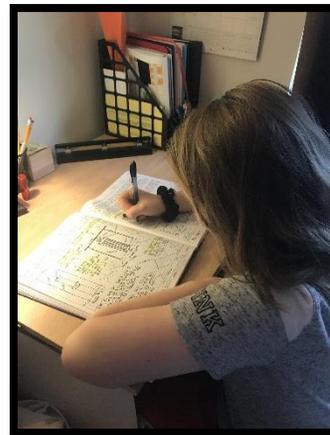


Girl Power at Eastern

Here at Eastern Technical High School we include all in our journey to redefine the face of STEM. The robotics community is ever-growing and ever-changing, with many diverse students and ideas. Team 5839D brings a mission to transform the lives of those who participate in robotics. When we hear the phrase, Girl Powered, we imagine a future run by strong-minded girls and women, the possibilities of girls collaborating towards the next great achievement, and all the great faces of the past reborn. This is reflected in our team's approach to robotics as we are very tactful. We all have individual specific tasks, as well as shared ones too. Our team is built on a foundation of roles centered toward each member's appreciation to the task or activity. For instance, our design journalist enjoys writing, measuring, drawing, and explaining our processes. She readily documents our progress with detailed explanations using her own creative style.



Our team creates an inclusive environment on a daily basis by encouraging those around us to perform and learn at the best of their ability. By helping others set and achieve their goals we are allowing more great minds to take off and expand in their wanted direction all throughout STEM. By opening our arms to all, we have attracted a diverse group of students into our team, with each mind individually contributing their great ideas into the task at hand. Each member of our team has their favorite duty or task, but in reality, we all collaborate and end up each doing multiple tasks. We have drivers who program, programmers who build, designers who wire our bot, some can even do it all! From creating a delicate and fierce game plan, to mapping out codes in a design journal, our team works as one unit to complete any task thrown our way. Our co-leaders, Beth and Jacob, hold us together and help us work as the well-oiled machine that we are. While we all have tried multiple roles in this team, we have learned through this experience that it is best for us to stick to our strengths. While it isn't bad to try new alternatives or things, we enjoy what we have built within our team as well as our bot.

We as a team believe that the more ideas and diversity we have, the better off we will be. Meaning that the more perspectives we have, the greater our chances are to succeed. With the number of perspectives brought into the design process, the robot design can change frequently as we come to a compromise of what would work best with meeting our goals. We believe that

the constraints provided to us year after year help us develop a sense of what will and won't work right away. With diversity of perspective, our chemistry is ever-changing. The more ideas we add to our overall project, the more we learn about each other. We all have our own individual ways of processing information and problem solving that contribute to our success. Our ability to succeed entirely depends on meeting our goals in an orderly fashion without conflict. Meeting our goals couldn't be done without each team members input into our design and the task at hand. Thankfully we don't get at each other about the smallest things, because in the end we know that we wouldn't have gotten this far without each other's diverse perspectives on the game.



Our STEM role model is none other than our founder; Mr.Hoge. Everyday he encourages us to achieve the most we can and have fun while doing it. He helps in the efforts that allow us to enter competitions, as well as getting us the materials we need to build the best robot we can. He gives us a large amount of freedom that allows us to grow. Allowing us to be independent in exploring our designs and options helps us develop as people. He offers to all an inclusive and artistic environment meant to inspire the individual's thought. He is a very valuable mentor to every team here at Eastern Tech. Mr. Hoge inspires us to have a more inclusive team and overall program by being a good role model. He is always finding ways to mix up those going into a team so there is a diverse set of ideas and skills. By inviting all to join robotics, and including all in big decisions, he constantly reminds us that we work better together than apart. Someday, we all strive to be just as good a leader as he is to us.

Credits

Title: Girl Power at Eastern

Entrants: Mia Snyder, Elizabeth Moseng, Katherine Henn

Team Number: 5839D