

Robotics Girl Power Essay

Meet the Team



This is Maria. She is an aspiring writer, but she loves taking robotics. It not only helps her figure out how to write realistically about robots, but she loves the feeling of making something from scratch and building. That is also why she loves baking assorted cookies and cakes, and she loves decorating. Girl Power is more than just a phrase, it is a movement, and it proves that no matter what your gender, you can do amazing things. She wants everybody to know that robotics is very important to her, always. 📖❤️

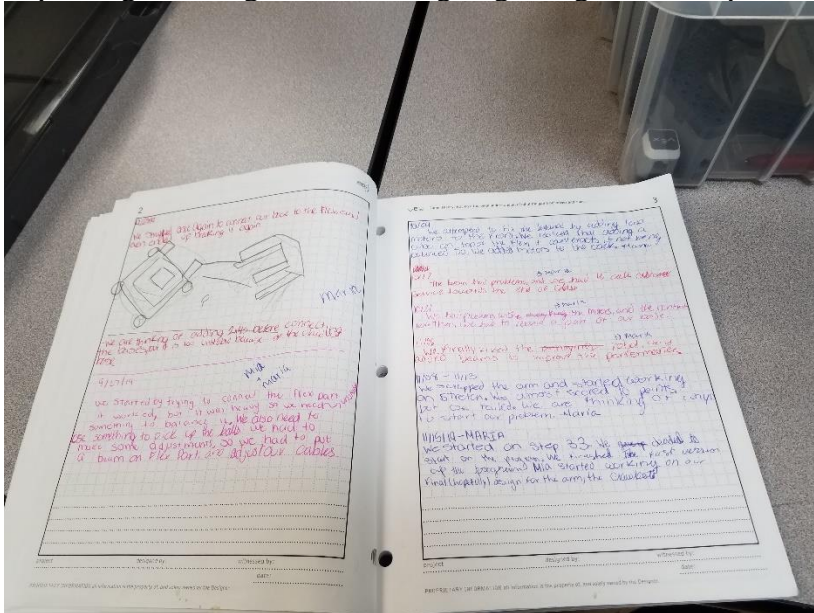


This is Mia. She likes robotics not only because it helps learn about robots and how they work, but also because she loves it and it builds a strong connection with her teammates. It helps her learn things that she did not know about them. She is very honored for being able to be in robotics building robots, and wants everyone to know about her passion for making things hands on in robotics. 🤖❤️

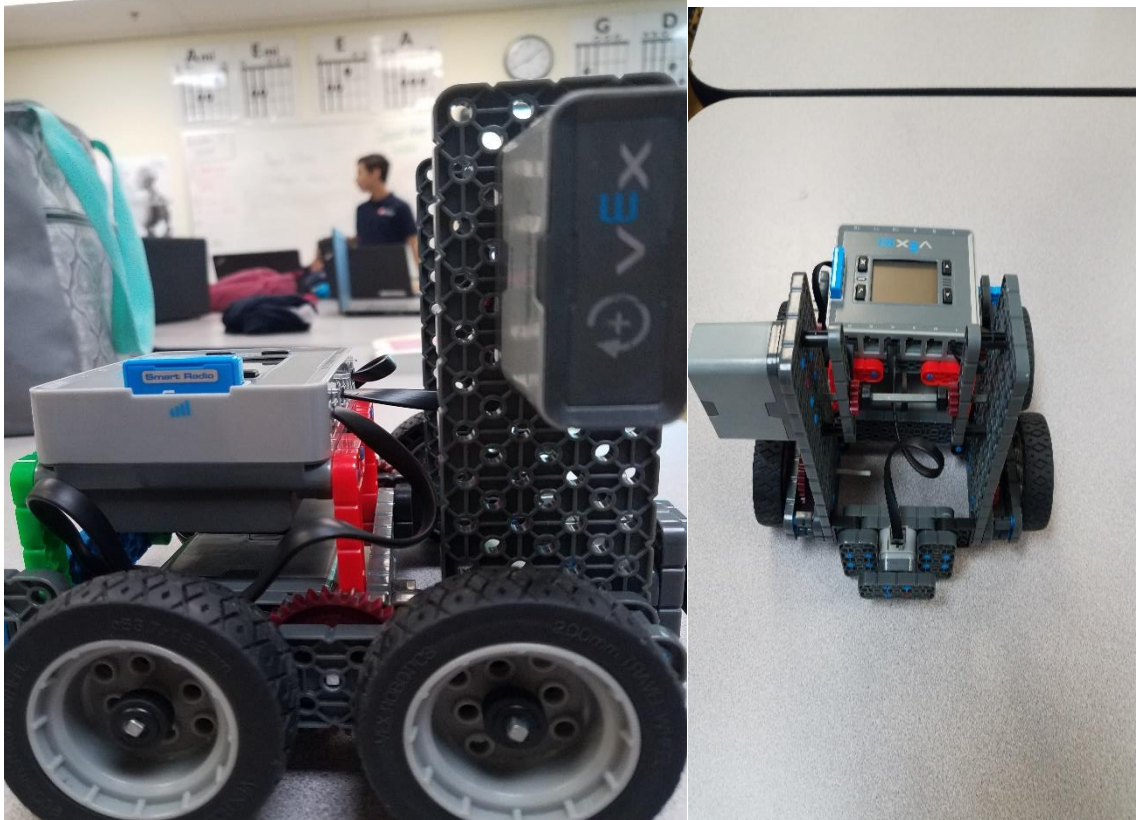
Introduction

In the process of building a robot, there is always the possibility that there will be errors. However, while making this year's robot, we encountered many, many issues. We started with the design: We looked on Vex IQ's website for inspiration, and settled on building Flex. That quickly proved to be a mistake, as the problems with that robot were never-ending, from the base breaking multiple times, to the arm falling apart when picking up a cube. We both contributed to

improving the design, and building it, gaining a lot of experience in both fields, and many more.



Engineering Notebook in the Early Stages.

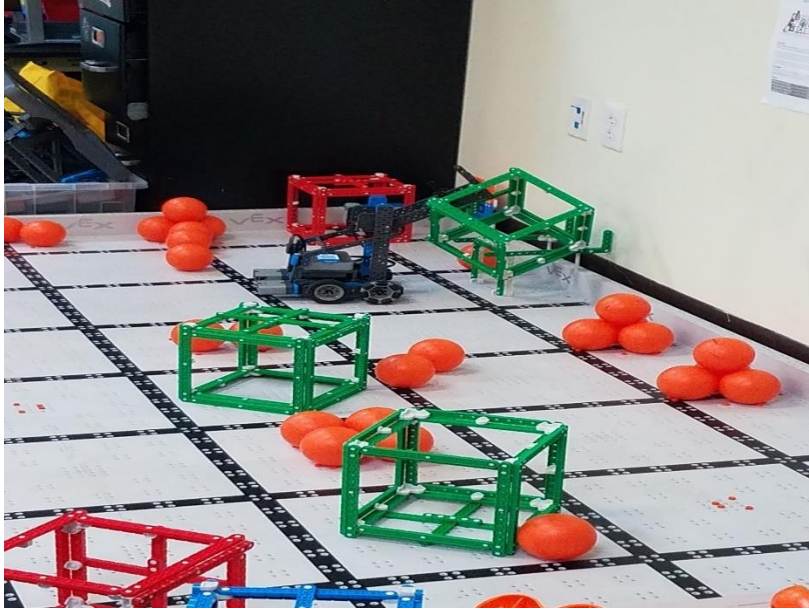


We faced many challenges with the base, even at the start. It would constantly break, malfunction, and overall cause us stress.



This image correctly shows the contents of our bin while building the robot. We had to have many connector pins handy in case the robot had pieces fall off or we had to edit it. In addition to the previously mentioned fact, we as a team had to have beams in case of having to rebuild the arm.

Finally, after a lot of stress and weeks of malfunctions, our hard work and determination paid off, and we proved that girls can build robots just as well as anyone else. Team 6083 wants to proudly introduce the newest member of the Doral Academy team.....



The robot!!!! Finally, it began working and we succeeded, although we don't feel as if competition is in our future, the robot was certainly a win for Team 6083! We've worked very hard, and we are extremely happy to announce that this robot is finished, and our grade reflects on that. The process may have been stressful, but it was all definitely worth it in the end. We owe it all to our hard work, and to Mr. Alvarez, our extremely talented robotics teacher who helped us through this fulfilling (and very, very, very, VERY stressful) journey.