

Front cover - © 1999-2018 Shutterfly, Inc. All rights reserved.





**WE ARE TEAM 11579 D - A GROUP OF FIFTH GRADE GIRLS
FROM GLENKIRK ELEMENTARY SCHOOL WHO HAVE
CREATED AN AMAZING ROBOT**



I am Olivia - and I love everything about robotics, my best is fixing, driving, and programming



I am Madison - my favorite part is driving but I also like to build and program the robot too



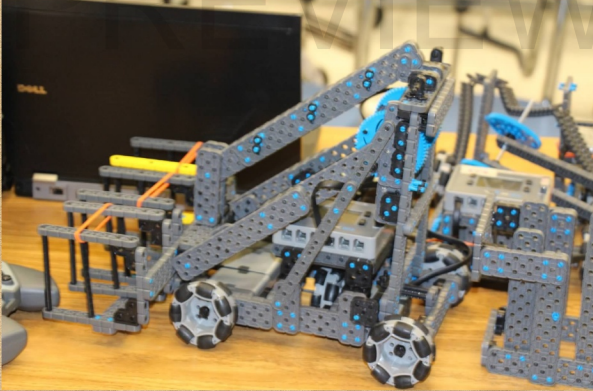
I am Freya - and I love to build, fix, and drive the robot, simply everything robotics



I am Sonya - my favorite part is writing about the project as well building the robot

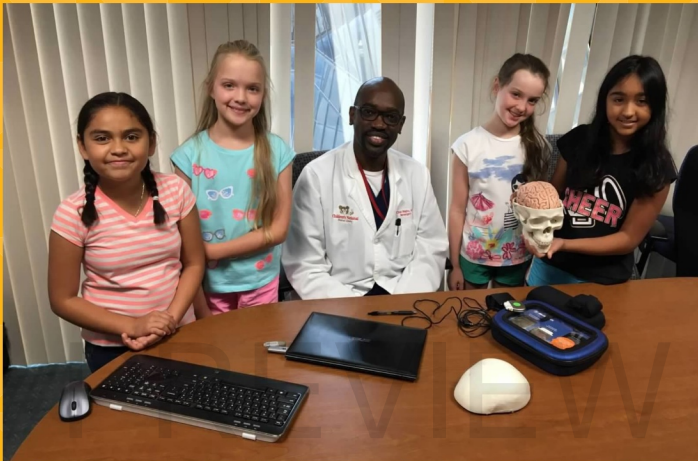


I am Melanie - and I love to write the robotics book, program, and fix the robot

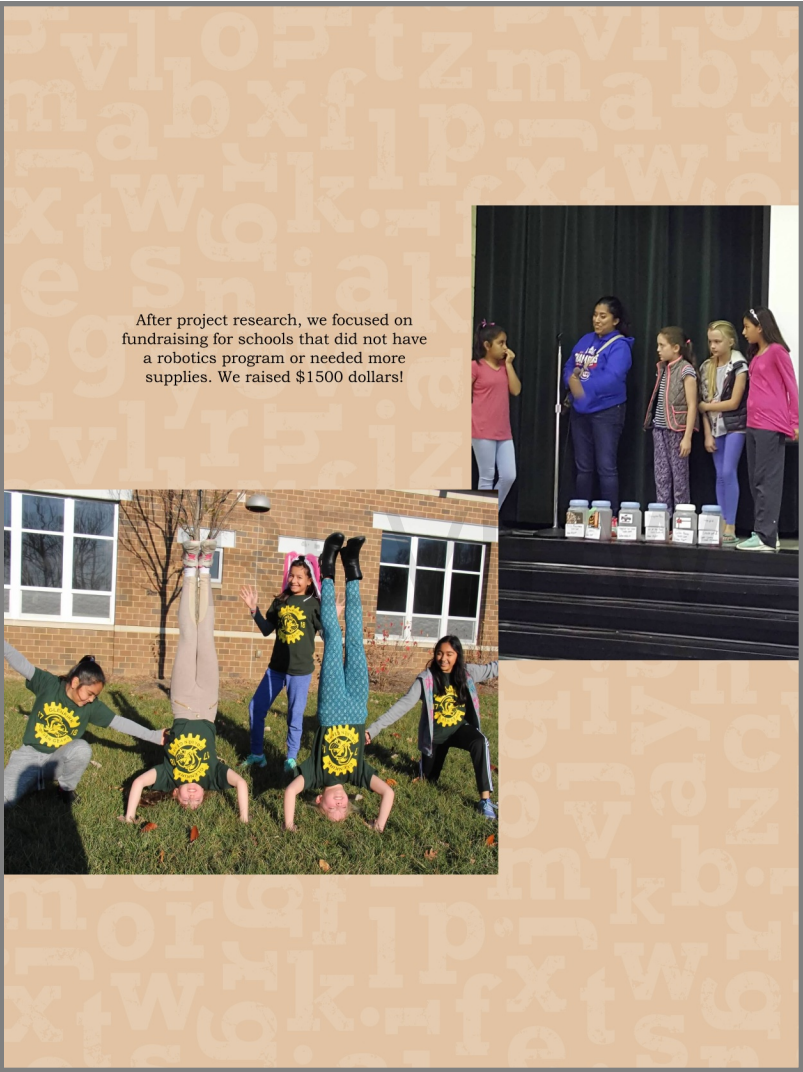




For our project we
choose the ROSA
robot - Robotized
Surgical Assistant.



We met with a neurosurgeon in Washington D.C. who talked to us about the ROSA robot. The ROSA robot assists the neurosurgeon during brain surgeries acting like a GPS for the skull.





And we really enjoy having fun dancing and bonding with our Coach Caron - seeing here dancing to the YMCA song. After a "Build Day" at our school we attended one of the local high school robotics competitions. This was an amazing event showcasing the advanced robotics of the high school teams. It gave us more desire to focus on our robotics mission. And that was creating the best robot possible.



Then we started focusing on our robot a little more. Our robot started as a little base and no top part. We thought our claw should be able to open and close to get the rings. With additional brainstorming and adjustments we decided to use three claws.

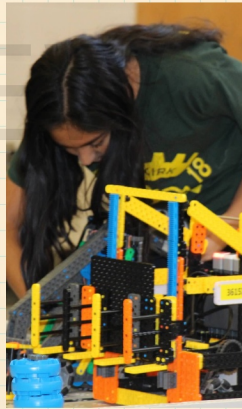




But it was not that easy. Nothing worked the way it was supposed to. We spent a lot of time rebuilding, fixing, and reprogramming. Now was the time to continue to drive and test.



We worked really hard as individuals and most importantly as a team. We pushed each other to keep going.



During this awesome time, which was not always perfect; we learned the most valuable lesson - teamwork! In addition to school sponsored robotics time we also spent many weekends and holiday breaks, meeting and working with each other. Our meetings were hours long at one of our teammates house.



We started to discover our strengths, weaknesses, and habits. We drove each other crazy, shed some tears, we got tired, bored, but never gave up. Through it all, it led to the beginning of new friendships.



We are five strongminded girls, who love to have fun, be silly, create new things, build robots, and long lasting girl power relationships!





This is our story that follows five determined young girls who have dedicated their time and energy to science, technology, engineering, and math one robot at the time. Judges - One thing is for sure we learned that nothing stops the Disco Bots!

