

# Girl Powered! to the MAX!



*Warrior Vex IQ Team 6855B...you go girl!*



Warrior Vex IQ  
Team 6855B

Gabi, Ilysa, Kaitlyn, Caroline, Sara  
Zoe, Lorena, Gaby, Reva, Gigi



## When It All Started

We are a team of 10 fifth grade girls with a female robotics coach. Last season was the first year for 8 of the girls on the team and we made it all the way to the World Vex IQ Championship in Louisville, Kentucky. Over the summer, our coach informed everyone that we would continue as an all girls team, and we would be adding two new girls, Lorena and Caroline. More girls...more power!

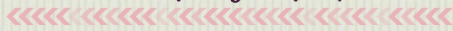


## Work It Girl!

When we hear the phrase Girl Powered, we think girls can do anything if they work together.



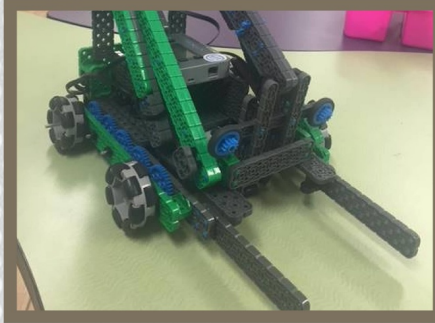
Our team's approach to robotics is reflected by Christ giving us strength and wisdom to overcome all things. Also, we can inspire other girls to do robotics and to do anything they aspire.







## Life Long Skills



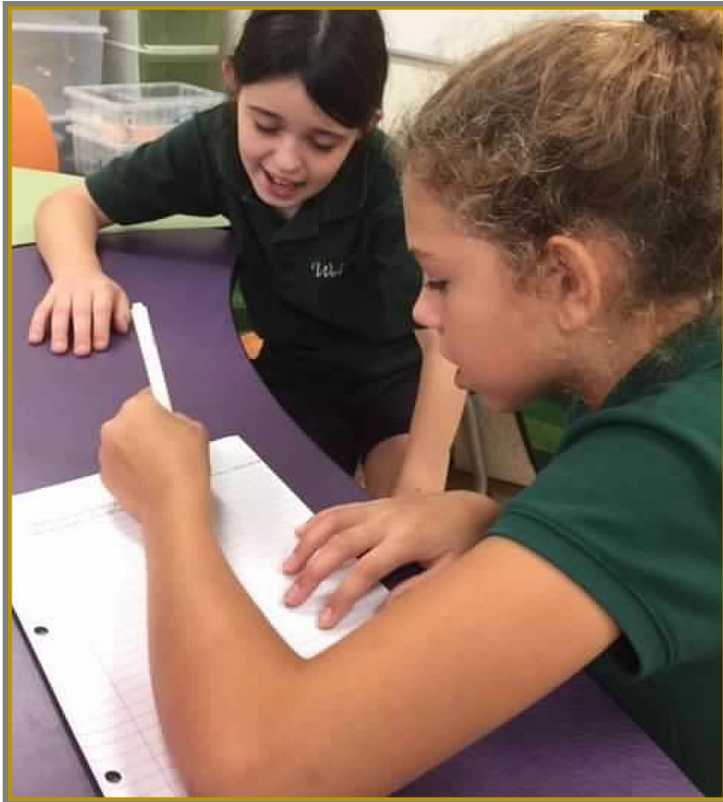
```
1 //Program Name: getTouchValue(touchLED)
2 turnleft ( 1.1 , rotations = , 50 );
3 forward ( 2.5 , rotations = , 50 );
4 movevector ( [angle] = , 1 , rotations = , 50 );
5 turnright ( 0.1 , rotations = , 50 );
6 forward ( 1.1 , rotations = , 50 );
7 turnleft ( 0.5 , rotations = , 50 );
8 forward ( 0.1 , rotations = , 50 );
9 backward ( 1.1 , rotations = , 50 );
10 turnleft ( 0.25 , rotations = , 50 );
11 movevector ( [angle] = , 1 , rotations = , 50 );
12 backward ( 0.4 , rotations = , 50 );
13 turnleft ( 0.6 , rotations = , 50 );
14 forward ( 0.4 , rotations = , 50 );
15 backward ( 0.2 , rotations = , 50 );
16 turnleft ( 0.4 , rotations = , 50 );
17 forward ( 1.1 , rotations = , 50 );
18 turnleft ( 0.25 , rotations = , 50 );
19 forward ( 1.5 , rotations = , 50 );
20 turnleft ( 0.85 , rotations = , 50 );
21 forward ( 1.8 , rotations = , 50 );
22 movevector ( [angle] = , 1.2 , rotations = , 50 );
23 forward ( 0.1 , rotations = , 50 );
24 movevector ( [angle] = , 1 , rotations = , 50 );
25 waituntil ( getTouchValue(touchLED) == 1 )
```

Everybody on the team takes part in designing and building the robot. Currently, we are on our 10th robot iteration.

Everybody takes part in programming. Our main programmers are Ilysa, Kaitlyn, and Sara.



On journal everyone definitely contributes so our varied personalities can come through on the page using photographs and commentary . It is important because it is our team's strength. We have won two state bids this season, because of the strength of the work in the journal.



Since we are a team of girls, we have better chemistry. This is because we can relate to the same circumstances. We can also give each other better motivation because of our diversity.





Our STEM role model is Katherine Johnson. She was born on August 26, 1918. She lived in White Sulphur Springs, West Virginia. She was hired for NACA (later called NASA) in June 1953. She retired in 1986. She graduated college when she was 18 years old. She is currently 100 years old. In NASA she worked as a mathematician and a physicist. She is our role model because she was the reason that NASA launched their first rocket into space. Katherine studied how to use geometry for space travel and we hope to do that too. She has inspired other young women and has inspired us as well.



TODAY I  
*Embrace*  
BEING ME

## Competitions



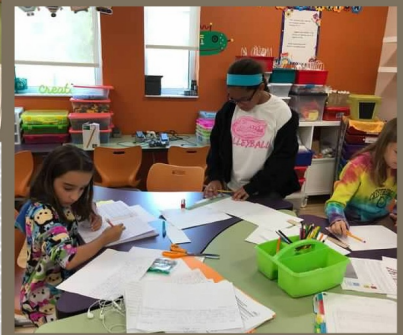
Driving at competitions is the most nerve-wracking part of the day. The pressure is on you to score as many points as possible to earn the maximum amount of points. We practice ALL THE TIME! We even come in on Teacher Work Days to hone our skills. Our coach lets us come in pajamas so we can be comfortable as we improve our driving skills.



This year, our school hosted a Vex IQ Qualifying Competition for the first time. We planned a fun day of robotics while sharing our driving strategies and cheering on the other teams. Many of the other school's coaches told us that our event was the BEST event they had attended! It was awesome sharing our school and our passion for robotics with the community.



TEAM WORK





## FAITH

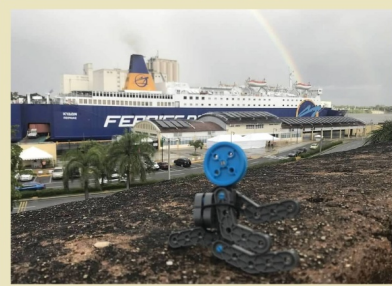
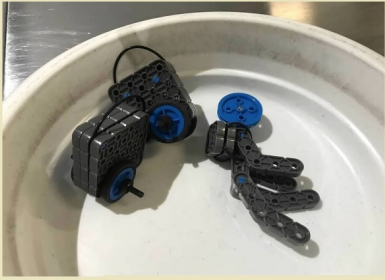


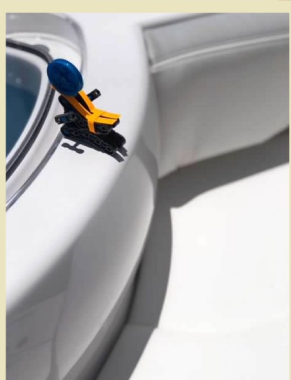
At each event, we pray and give glory to God for allowing us to have these amazing experiences. To us, it's not about the award (although they are nice to receive), but it's time together learning from each other while having fun. We would like to have other teams remember us for who we are inside as much as what we can do with a robot and a journal.





## Stem Mathematics Project





In addition to working on the robot, driving skills, programming, and journal, we needed to complete a STEM project for additional potential awards. The topic this year was mathematics so we decided to teach students about math using Sammy as she traveled the United States and the Dominican Republic. We created a budget, estimated costs, added/subtracted/multiplied/divided our way through various scenarios to keep within the budget. When all the math was complete, we created a video to help other students LOVE math through Sammy's travel adventures.











As a team, we are empowering each other to maximize our strengths which allows us to reach our maximum potential. We are working hard to reach the Vex IQ World Competition again this year so our new teammates can enjoy the experience.

IMPERFECTLY  
PERFECT



## Beginning to End



Team	Age	Total Score	Programming Score	Attempts	Score
32468C PantherBots	ELM	26	10	1	16
10115B Robo-Pirate	ELM	21	8	3	13
32468B PantherBots	ELM	20	2	1	18
10115D Robo-Pirate	ELM	19	6	3	13
6855A Warrior Robotics	ELM	19	4	1	15
6855B Warrior Vex IQ	ELM	17	5	3	12
14880B ACSW Tigers	ELM	16	5	3	11
14880A ACSW Tigers	ELM	16	4	2	12
57G Pinecrest Girls Power	ELM	15	5	1	10
12401C Pinecrest Elementary Bots	ELM	13	9	2	4
57P Pinecrest Girls Power	ELM	12	0	0	1



The season started with a summer camp at our school using a basic Flex robot, and it blossomed into two State bids and finishing 8th place in the Skills category. Together we grew by listening to each other's ideas and celebrating our diversity. We embrace being strong, intelligent girls that can problem solve at a moment's notice. Robotics taught us life-long skills.



*Girl Powered!  
Together we accomplish WAY more  
than individually!!!*



CREDITS Girl Powered! to the Max!



Warrior Vex IQ  
Team 6855B

TEAM MEMBERS

Gaby Gonzalez  
Gabi Martin  
Reva Eikenberg  
Kaitlyn Walker  
Ilysa Hilliard  
Zoe DeVarona  
Sara Espitia  
Gigi Artiles  
Lorena Haedo  
Caroline Seagren

SCHOOL

Westminster Christian School  
6855 SW 152nd Street  
Palmetto Bay, FL 33157

COACH

Claudia Pastrana



**Junior Orange Bowl Vex IQ  
Competition in Miami, FL bringing  
home the Design Award**