

# We are Girl Powered



By: The Gummy Bears #10746B

When we hear the words **Girl Powered**, the first thing that comes to our mind is that

GIRLS can DO anything.

Girls can BE anything.

Girls cannot be stopped.



We think of **powerful girls** working together and of girls/women in the **STEM field area**. We think of **superhero girls** working together to help each other.

# Girl⚡Powered

is an awesome program that is teaching girls they are still good at STEM no matter who tells them they are not because they are a “girl.” What Girl Power means to me is that girls can do everything a boy can do or even more if they work hard and put their mind to it. Girl Powered is teaching girls that just because girls used to not have a lot of rights doesn't mean the world was meant to be that way.

Sometimes people make you feel like you're nothing when you are a girl. But don't let them get to you. As a girl, you are

very strong, smart, and brave.

--Avery



“Girl Powered” is reflected in our team approach to **robotics** by knowing that **we can do anything**, sometimes **better** than the boys. We are an ALL girl team and all of us at some point do something that will help our team. It is also reflected on our team because we begin to work **harder** knowing that we will eventually complete our goal. By using **teamwork**, we know we can finish things faster. We **persevere** in what we need to work on most. We work together and our **focus** is on teamwork.



# A True Story


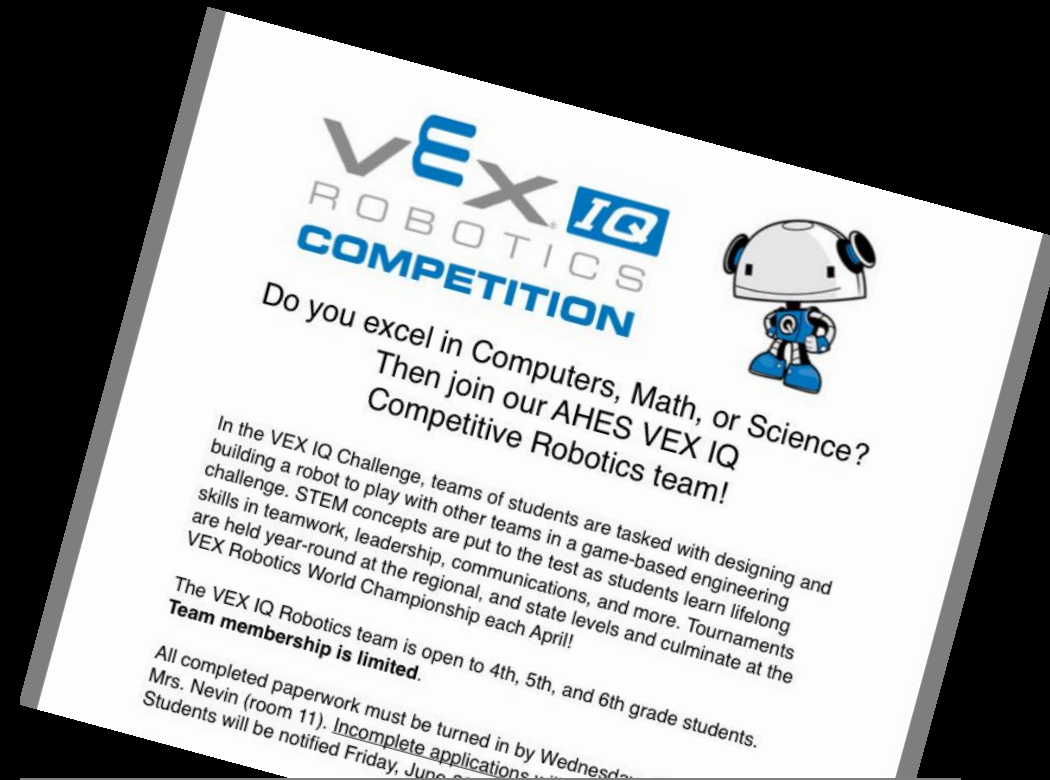
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*Last year, at a competition we were paired up with an all boy group. Instead of the boys thinking ‘Oh those girls are cool! They are doing robotics and we should strategize with them for the Teamwork Alliance,’ they didn’t even want to talk to us about scoring in the game or strategizing, all because we were ‘girls.’ That made our team feel horrible and discouraged but we did not let them get to us. Instead we won a lot of matches and were really good at driving. Those boys looked surprised when they watched us drive because we earned more points than them.*

--Avery

We have taken initiative to create a more **inclusive** environment that attracts a **diverse** group by **inviting** every boy and girl in the 5th and 6th grade into robotics. We send out fliers to every class about joining robotics. For everybody interested, there is a meeting with information about what we do in robotics.

--Maylene



**AHES VEX IQ ROBOTICS TEAM**  
**Parent Information Meeting**  
**Monday, June 5th at 2:30 pm**  
**Anaheim Hills Elementary Room 11**

Our award winning **Anaheim Hills Vex IQ Robotics** team is expanding! You are invited to an informational meeting for **incoming 4th-6th graders** that are interested in joining our team. The following topics will be presented:

- Number of Teams
- Competition Levels
- Application Process and Member Selection
- 2017-2018 Challenge
- 2017-2018 Meetings and Events
- FAQ

The program is **fully supported** by the PTA and fundraising at the school so there is no money issues keeping students from joining. Our team **includes** girls from multiple backgrounds, various friend groups, and **varied talents** with all included **equally**.

--Mairedad

 **Raquel Nimtz Archung**  
March 23, 2017

Tomorrow is the last day to get your yummy Big Stick and Emoji keychain! Please support the AHES VEX Competitive Robotics Fundraiser this Friday. Please bring the exact amount and cash only.

Big Sticks- \$2  
Emoji Keychains-\$2





**AHES Robotics FUNDRAISER-YOGURT @ LUNCH**

PRE-ORDERS ONLY for Yogurt on FRIDAY March 3, 2017 @ LUNCH  
MONEY DUE WEDNESDAY, March 1, 2017  
*\*No new orders will be accepted the day of event\**

**Attach \$5 (CASH ONLY) to this form.**  
Your child will get a ticket to pick up their yogurt during their lunch.

Name: \_\_\_\_\_

Teacher: \_\_\_\_\_ Rm # \_\_\_\_\_

Circle Choice: CHOCOLATE or VANILLA \_\_\_\_\_

A photograph of a VEX Robotics competition. In the center, a referee in a black and white striped shirt is looking at a handheld device. Two female students in black t-shirts with a pink panther logo and 'ROBOTICS' text are standing on a competition field. One student is wearing pink shorts, the other light blue shorts. They are both looking at their phones. In the foreground, the backs of several students' heads are visible as they watch the match. The field is a white grid with orange and blue markers. There are blue and orange balloons on the field. The background shows a gymnasium setting with white folding chairs and a person in a red shirt.

Our team has also taken **initiative** to make a more inclusive environment by **communicating with our partners**. Whenever we are going to compete soon, we always start to find and talk to the people we are going to partner up with. --Chloe



We have an **inclusive** robotics team because we come from different backgrounds and we have both boys and girls to share ideas with. Although we compete as an all girls team, for the first four months we all work together at our meetings. I like this because **we have different ideas and strengths to contribute**. For example, my brother Blake who is on the other robotics team is really good at fixing and driving the robot. Aryan and Maylene enjoy programming the robot. I find that myself and Chloe are good at driving and strategizing. Mairead and Alina are good at filling out the design notebook. I learned that when you put all our different strengths and perspectives together **it gives us Power to Succeed**.


--Avery



All of my teammates have **tried something new through robotics**. Even though Avery is a driver, she has been open to taking notes or writing down scores. I'm her driving partner most of the time and sometimes have had to get a different partner because she is taking notes. Alina is also a driver, but I have also seen her take notes too. She has contributed to pages in our engineering notebook as well. When we take **turns to drive**, we have a rotation and sometimes we've had to rearrange the rotation because Alina is taking notes. Maylene is always helping the team in some way. She is either finding our partners or timing her teammates. But now I've noticed that she has been helping fix the robot or help improve it. Mairead is also a big help to our team, she is also either timing teammates or finding our partners. During practices though, I see her learning how to drive. These experiences have showed me that **each person on our team is good at something**. This will help us get far in the competitions.

--Chloe





We divide the responsibilities equally resulting in each girl having the same **opportunity** to try things out. In addition, we **support** each other by cheering each other on during tournaments and **having** each others backs.

--Alina

I believe that **diversity** of perspective changes the robot design by letting people have different opinions on how the robot works and debate on which is better, resulting in the best solution. This helps the **team chemistry** by making people feel good, **powerful**, and listened to when ideas are heard which improves the chemistry. This gives a chance to test out which idea is best and combine them to have a **better chance of succeeding**. It also affects my ability to succeed because I know that someone is always there to help me when I need it. --Alina



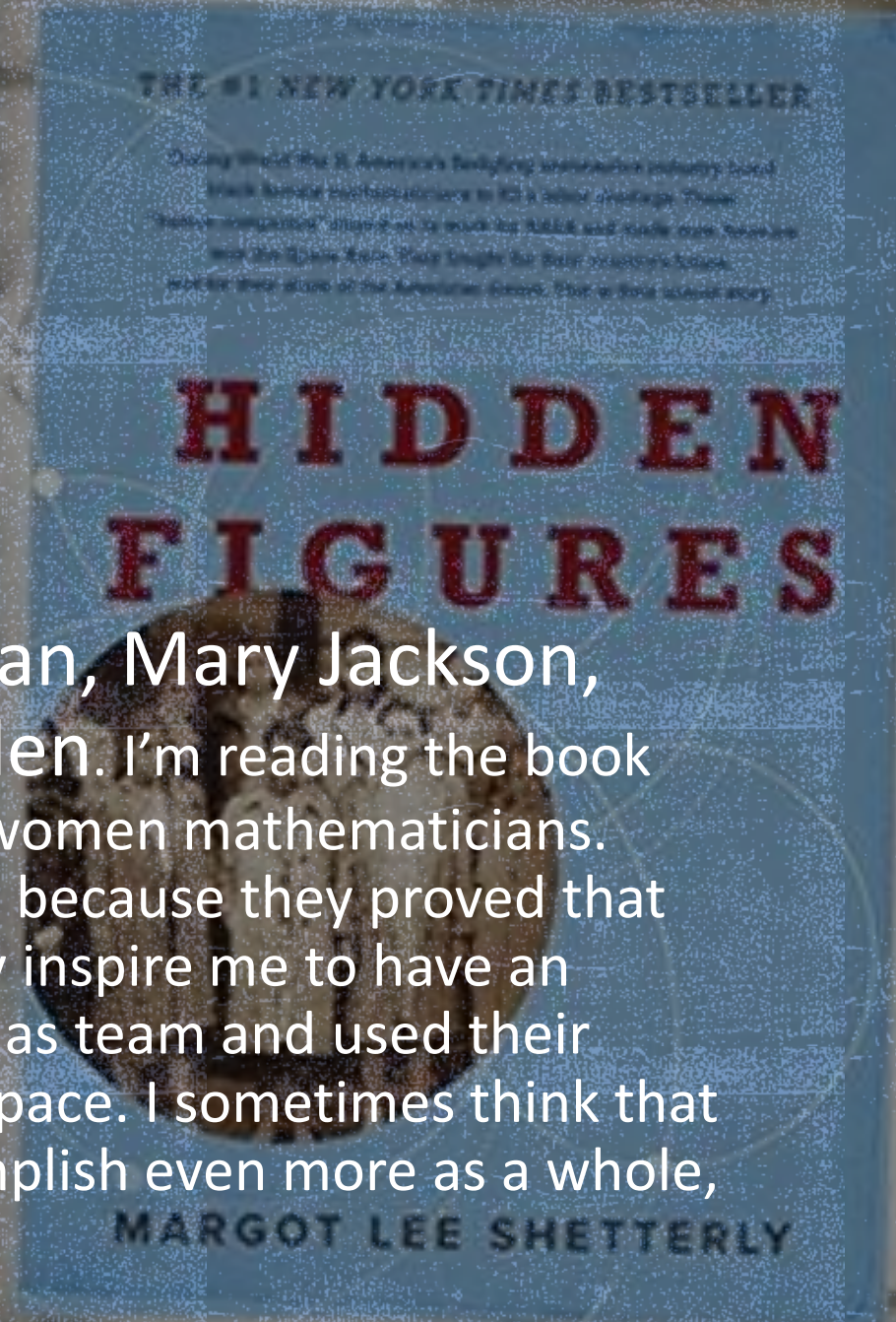
All of our **differences**  
and **unique** suggestions  
in team meetings or  
improvements in the  
robot **help our**  
**team grow**. When all  
of our unique suggestions  
are put together, **we**  
**are able to show**  
**true *Girl Power***.

--Chloe



# Our STEM Role Models

“My STEM role models are all Dorothy Vaughan, Mary Jackson, Katherine Johnson and Christine Darden. I’m reading the book Hidden Figures and they all are amazing, colored women mathematicians. They are a **role model to all women** colored or not because they proved that girls can do anything if they try their hardest. They inspire me to have an inclusive team because they were all able to work as team and used their talent in math to send the first American man to space. I sometimes think that if they can do it independently then we can accomplish even more as a whole, all girl team.” --Chloe

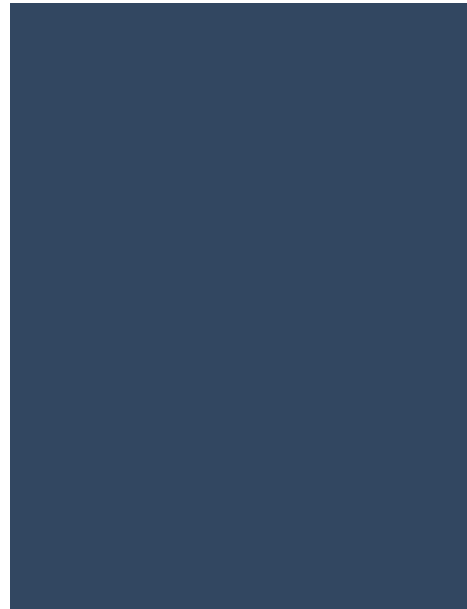


# Margaret Hamilton

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My STEM role model is Margaret Hamilton who is a computer scientist. She was part of NASA and was an engineer on the Apollo 11 space mission and programmed the code that allowed the spacecraft to land safely on the moon in 1969. **The landing is often remembered as “One small step for man one giant step for mankind”** But it wouldn't have happened without the mission being [Girl Powered.](#)

--Alina





# Mairead's Grandpa

“My STEM role model is my grandpa. He worked designing eye surgery tools for the medical industry. He is kind and helps others understand how things work, and how to fix things when they break. This taught each of us grandkids engineering skills and how to work together to solve a problem.”

--Mairead





**Grace Murray Hopper** was an inventor and one of the first people to create a computer compiler. She is a great role model. **She told people she could when they said she couldn't.** That is a really good character trait about Grace. She never gave up! She found out a way to develop a machine code instead of an instructor code. In 1952 she developed an A-0 system. She then created a B-0 system, that could understand instructions given in English. In 1957 Grace's FLOWMATIC was one of the three computer programming languages used in American computers. **She paved the way by being a woman who was in the STEM field, who then made it easier for women to be included in the field.**

--Avery

**Sally Ride** was the first American woman in space. She helped develop the space shuttle's robot arm and was the first woman to use the robot arm in space. Before her first space flight, during a press conference, she was asked stupid questions like, "Will the flight affect your reproductive organs?" and "Do you weep when things go wrong on the job?" She is my STEM role model because **she persevered despite the negative attention because of her gender**. She inspires me to work harder and not listen to the haters.

--Maylene



Title: "We are Girl Powered"  
Team Name: The Gummy Bears  
Team Number: #10746B

(from left to right)  
Avery Archung  
Chloe Schurter  
Alina Pajo  
Mairead Schoch  
Maylene Hall



The End