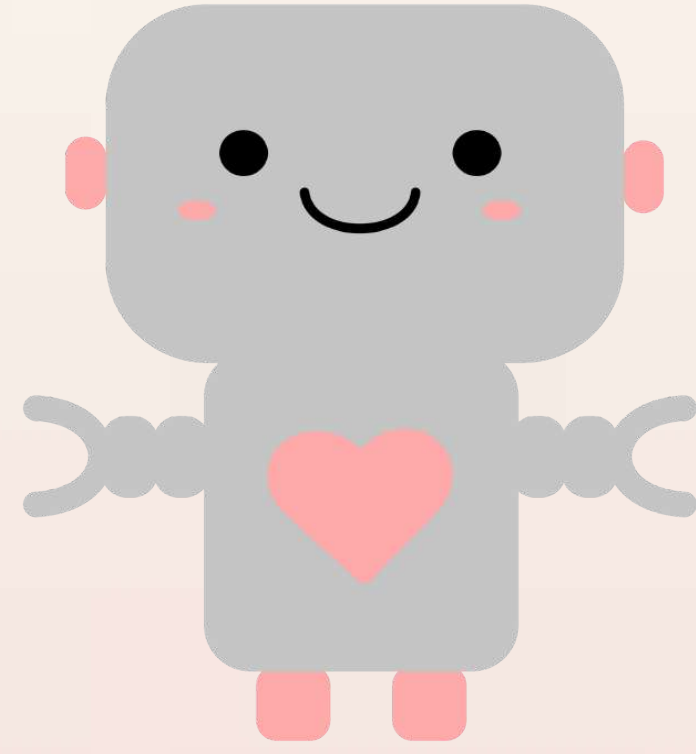
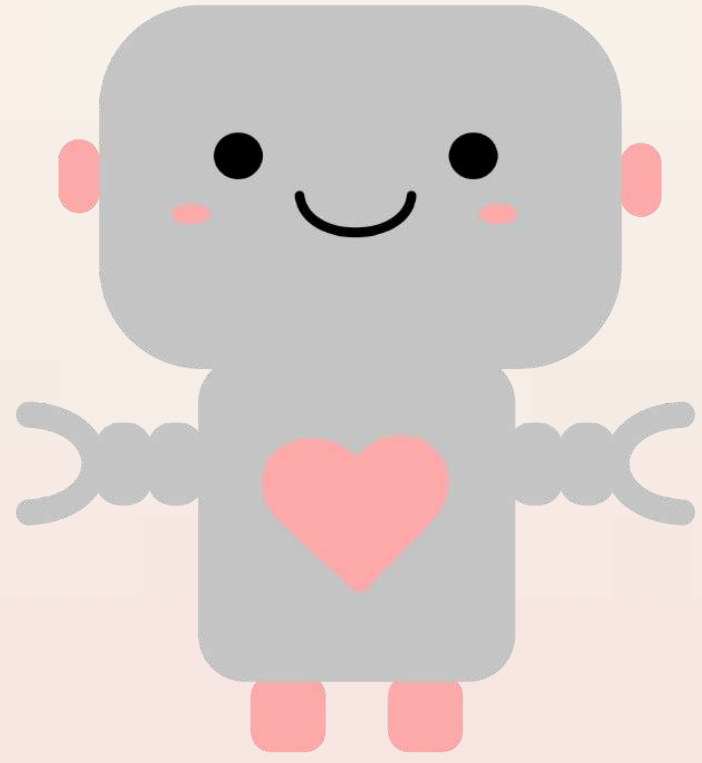


FUSION ★ LEAGUE



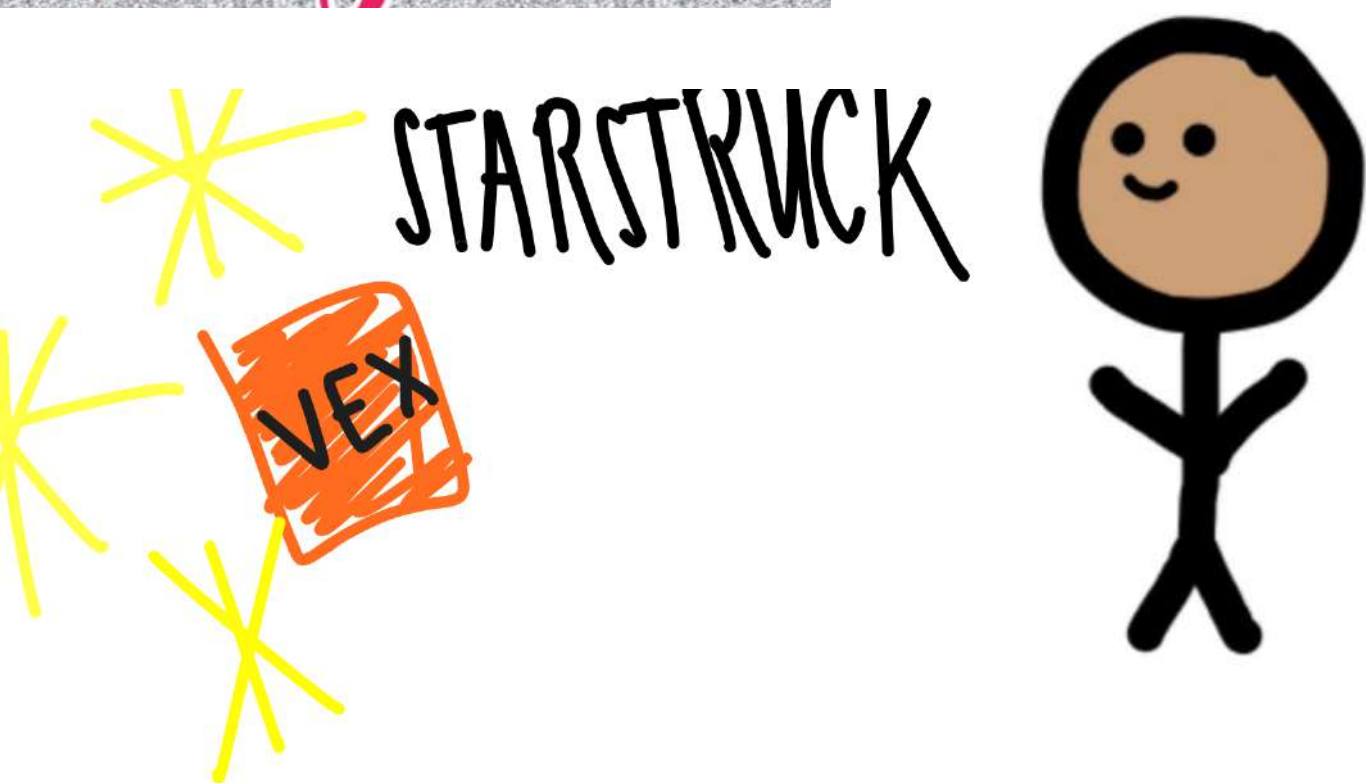
★ MEET THE TEAM ★



From top to bottom:
Elina Kim, Zayna Lateef,
Saachi Goyal, and
Safora Zia

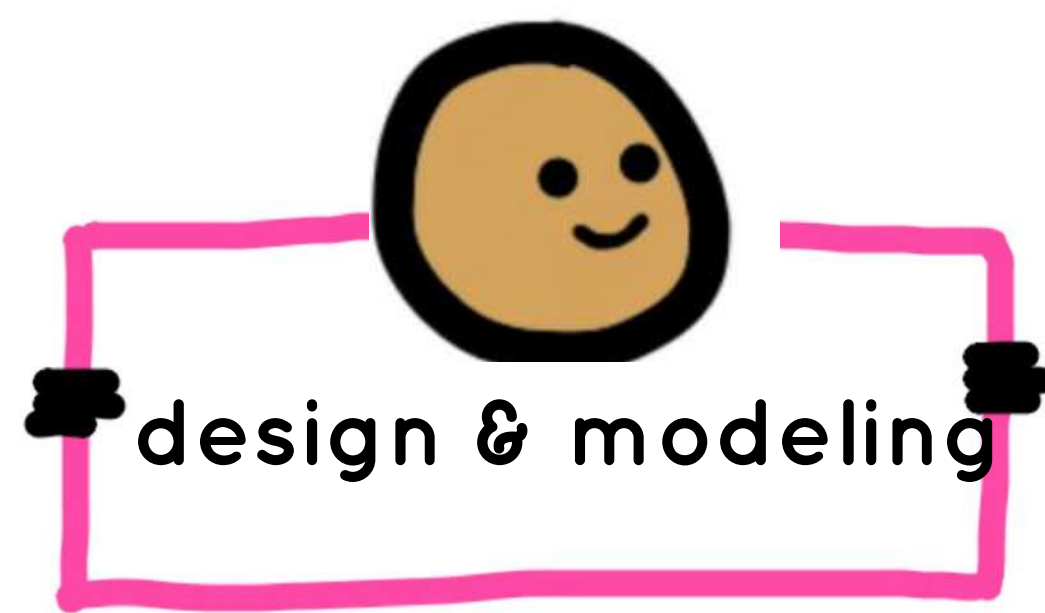
Girl ⚡ Powered

Zayna



I AM RETURNING TO ROBOTICS FROM THE STARSTRUCK SEASON TO IMPROVE MY SKILLS AND LEARN NEW ONES, ALSO TO GAIN MORE EXPERIENCE.

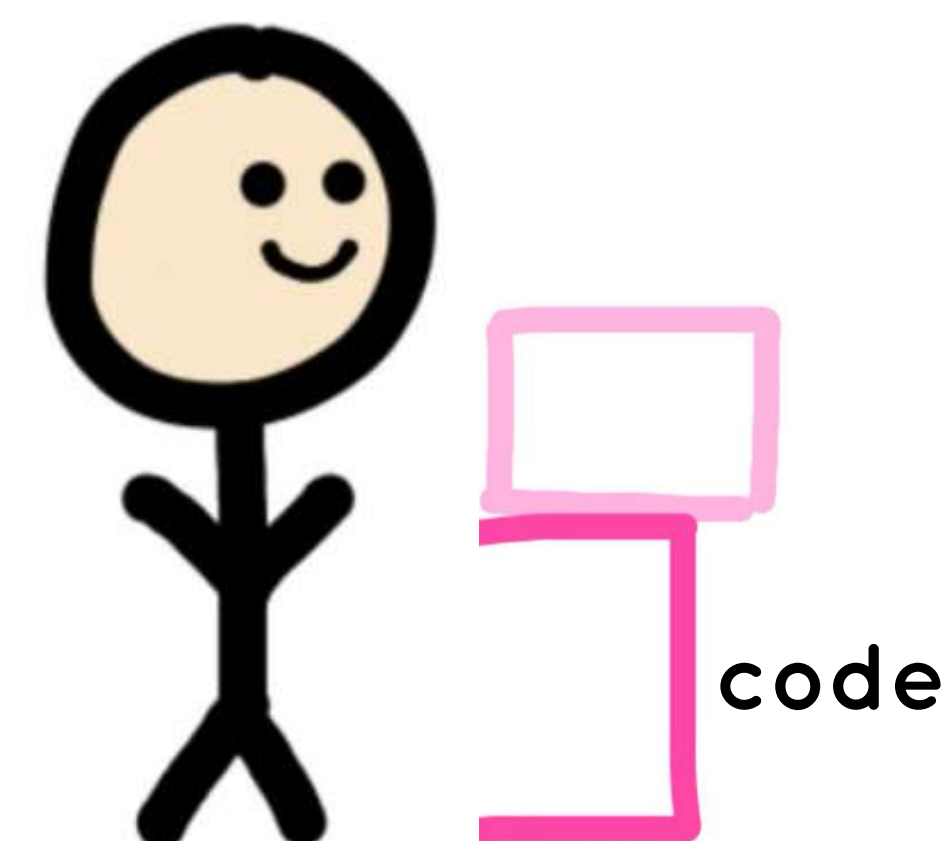
Saachi



I WAS PREVIOUSLY IN DESIGN AND MODELING, ANOTHER STEAM CLASS, AND THOUGHT COMPETITION ROBOTICS WOULD BE A LEARNING EXPERIENCE.

How We Joined Robotics

I WANTED A NEW EXPERIENCE AND ROBOTICS SPOKE TO ME. I ALSO HAD PREVIOUS EXPERIENCE WITH CODING THROUGH THE SCHOOL.

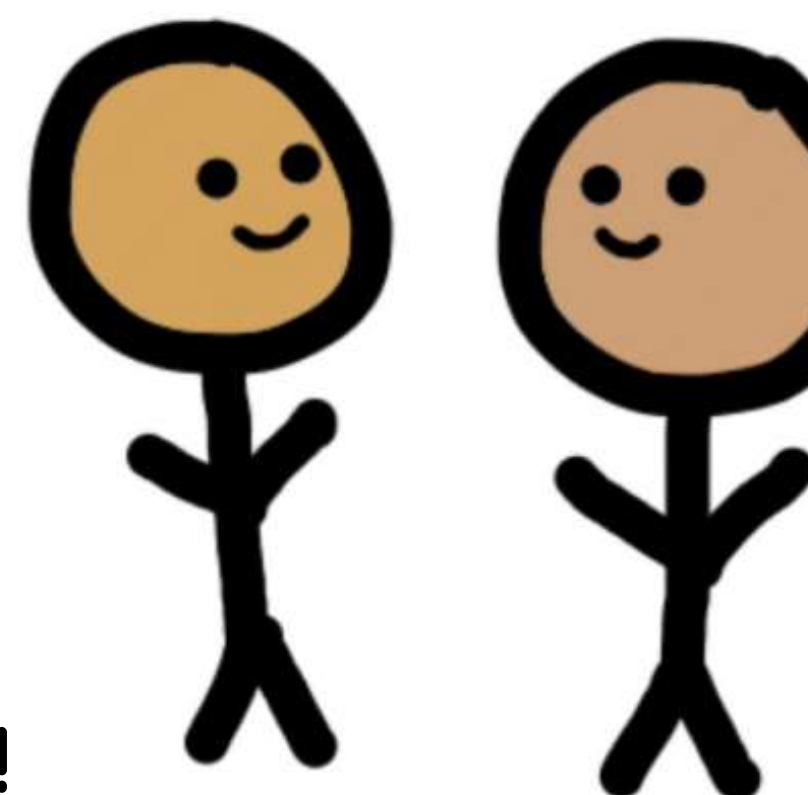


Safora

I HEARD ABOUT ROBOTICS FROM MANY FRIENDS AND I REALIZED THIS EXPERIENCE WILL BENEFIT ME IN THE FUTURE.

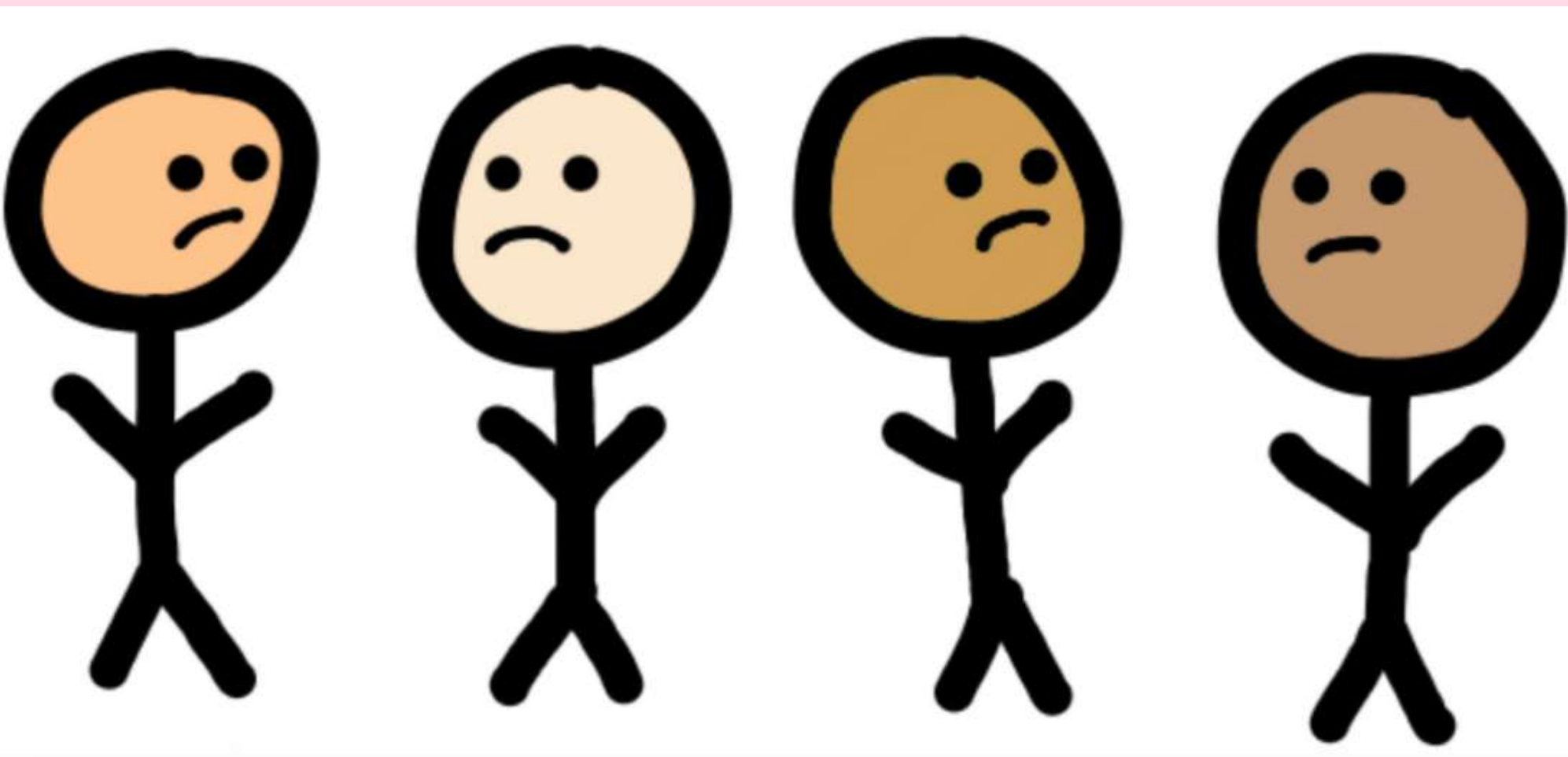


join robotics !



Elina

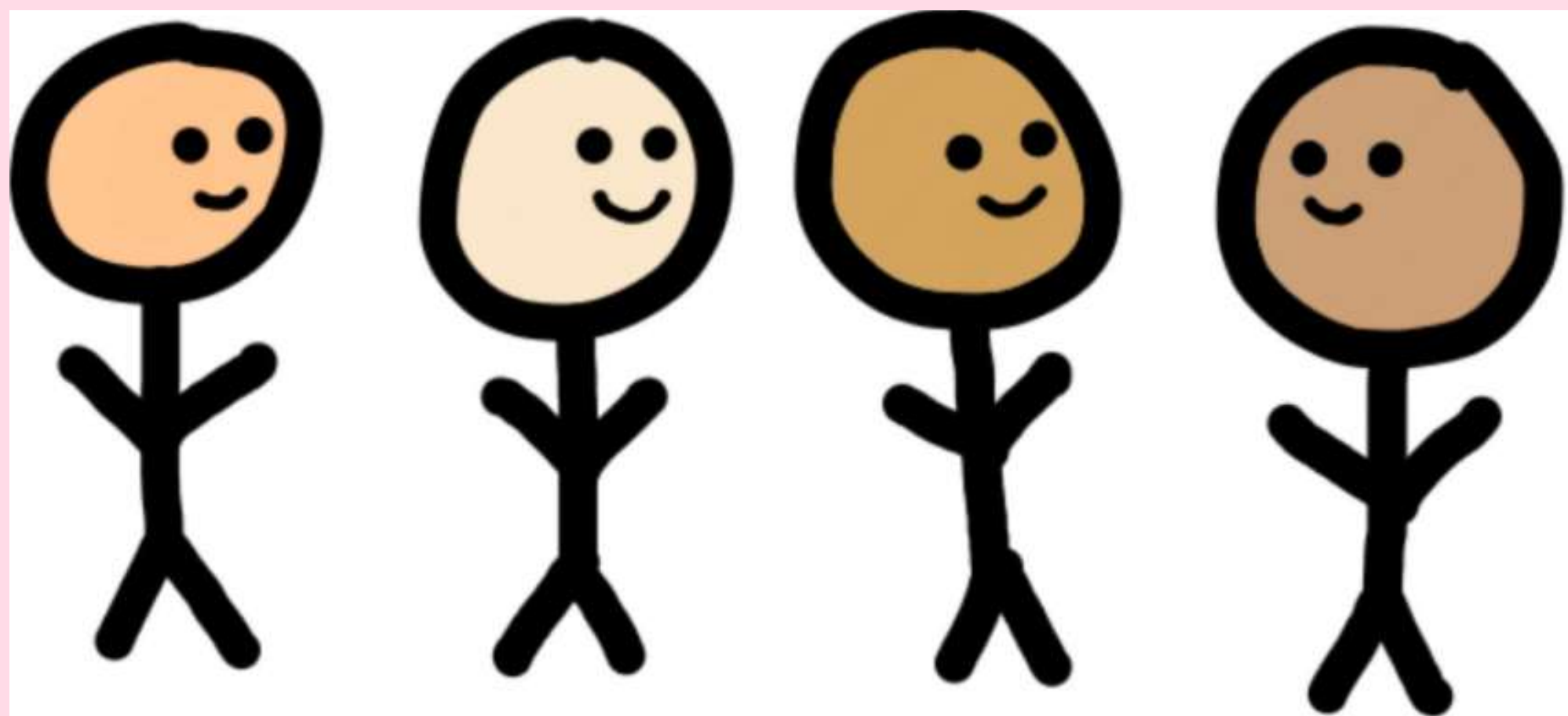
Various Roles for Our Team



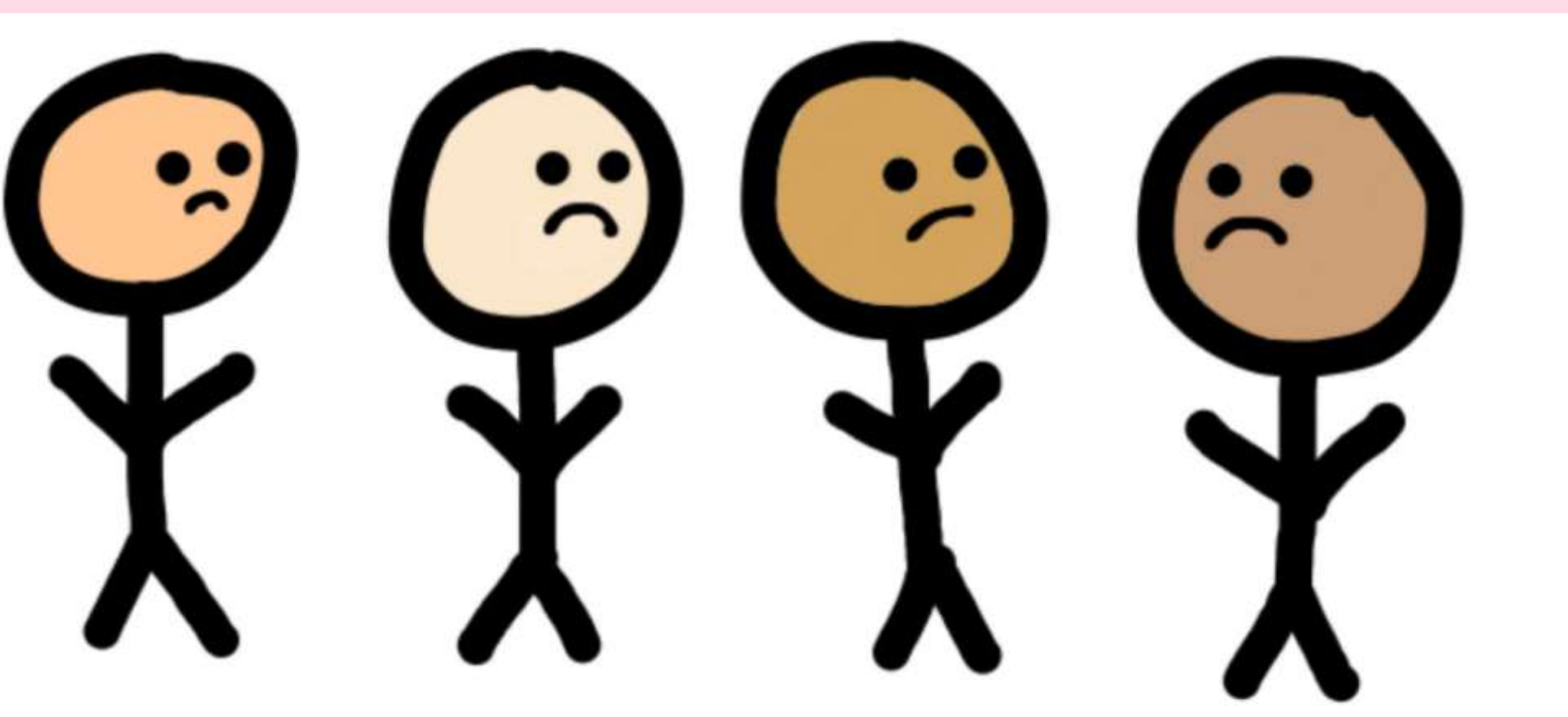
WE BECAME THE ALL
GIRLS TEAM FOR THE
2017-2018 SEASON

NOT KNOWING EACH
OTHER.

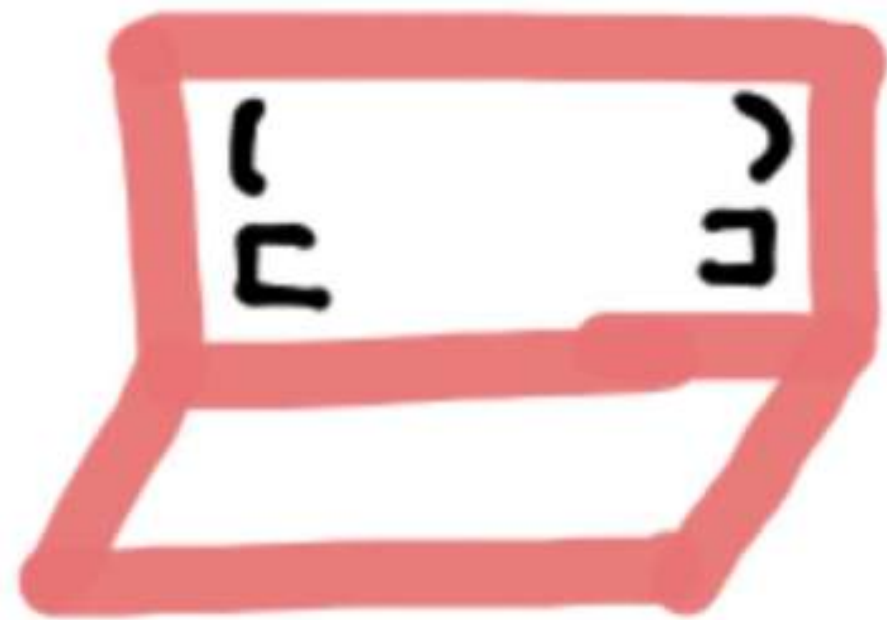
WE ALL DECIDED TO
FIND ROLES. ZAYNA
BECAME BUILDER,
BECAUSE SHE HAD
EXPERIENCE.



HOWEVER, THE REST OF
US DIDN'T KNOW
WHAT ROLE WE
WANTED TO BE.

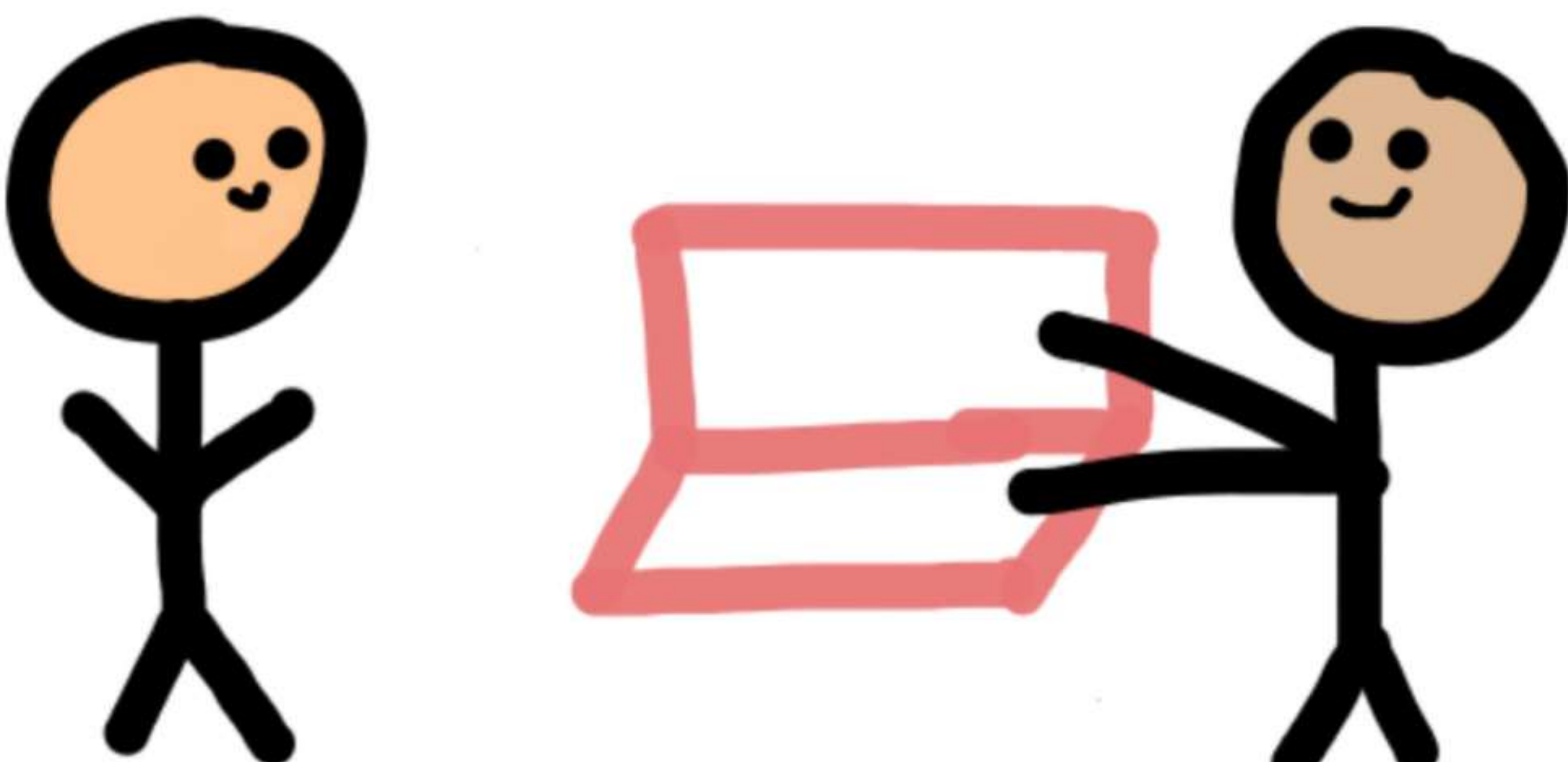


★SAFORA★



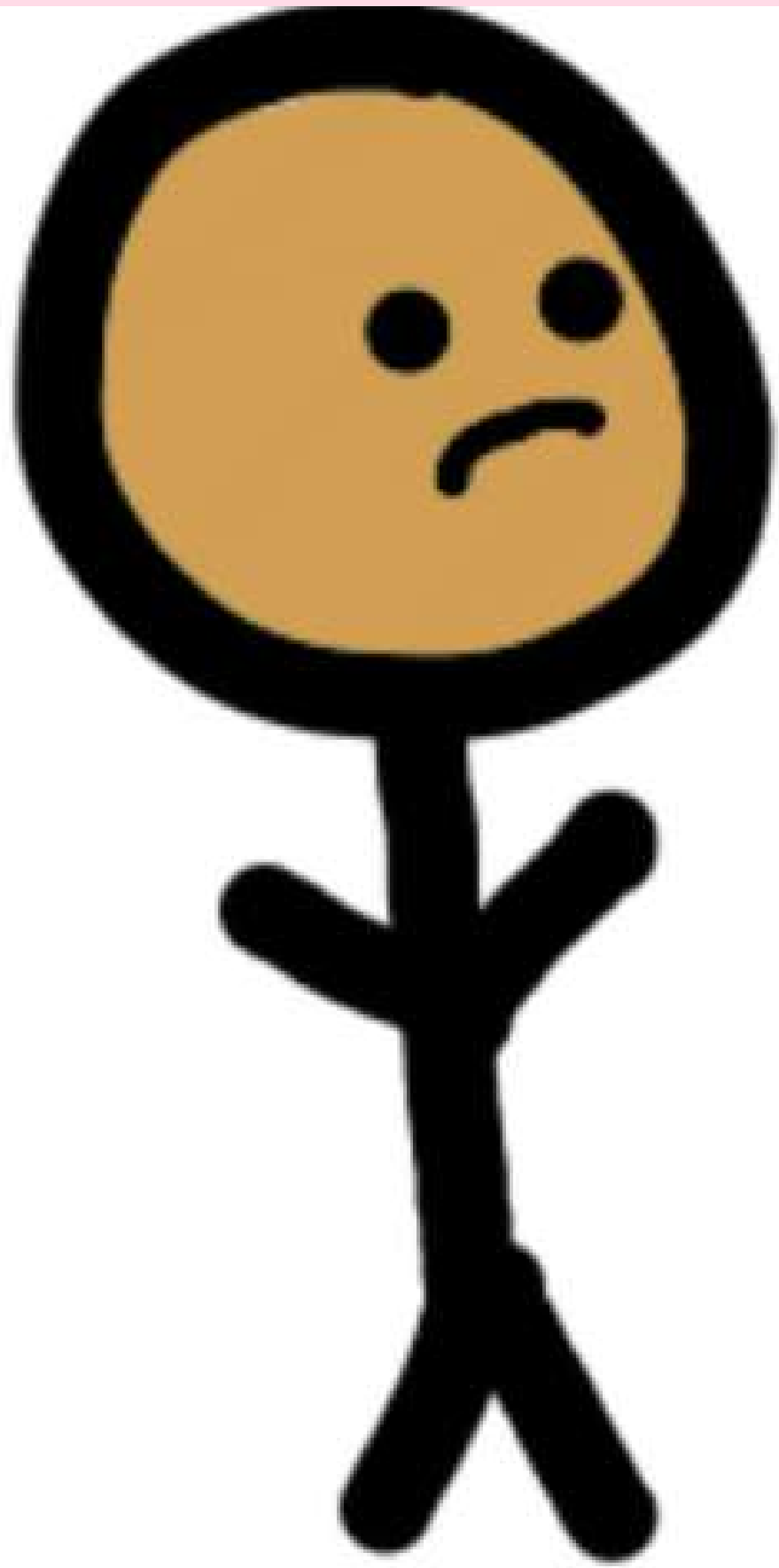
HEY! I'VE LEARNED
HOW TO PROGRAM.
AND I STILL
REMEMBER HOW!

BUT I'VE NEVER
USED ROBOT C
BEFORE...

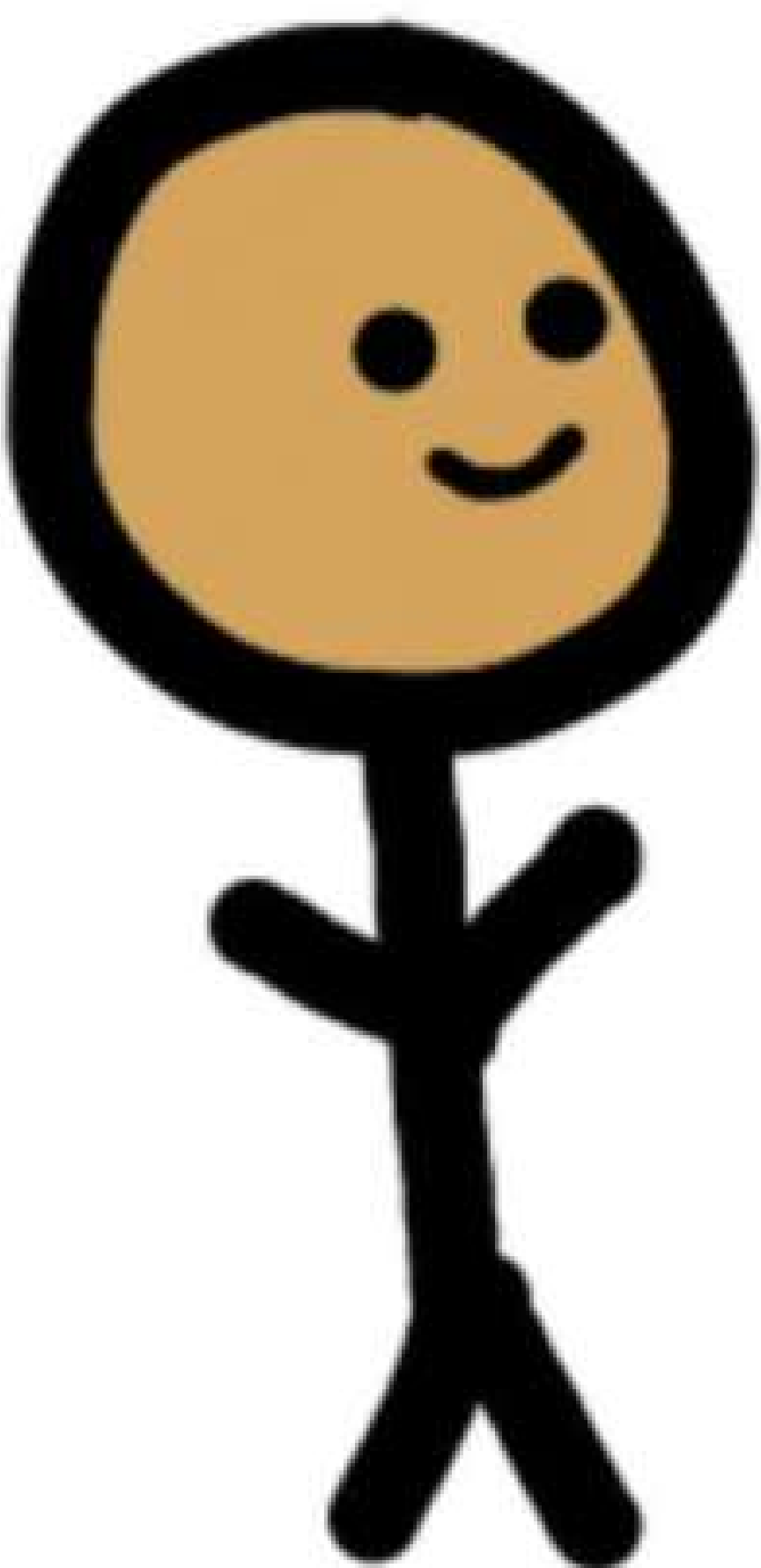


I UTILIZED MY
PEERS AND GOT
HELP FROM A
TEAMMATE.

★ SAACHI ★

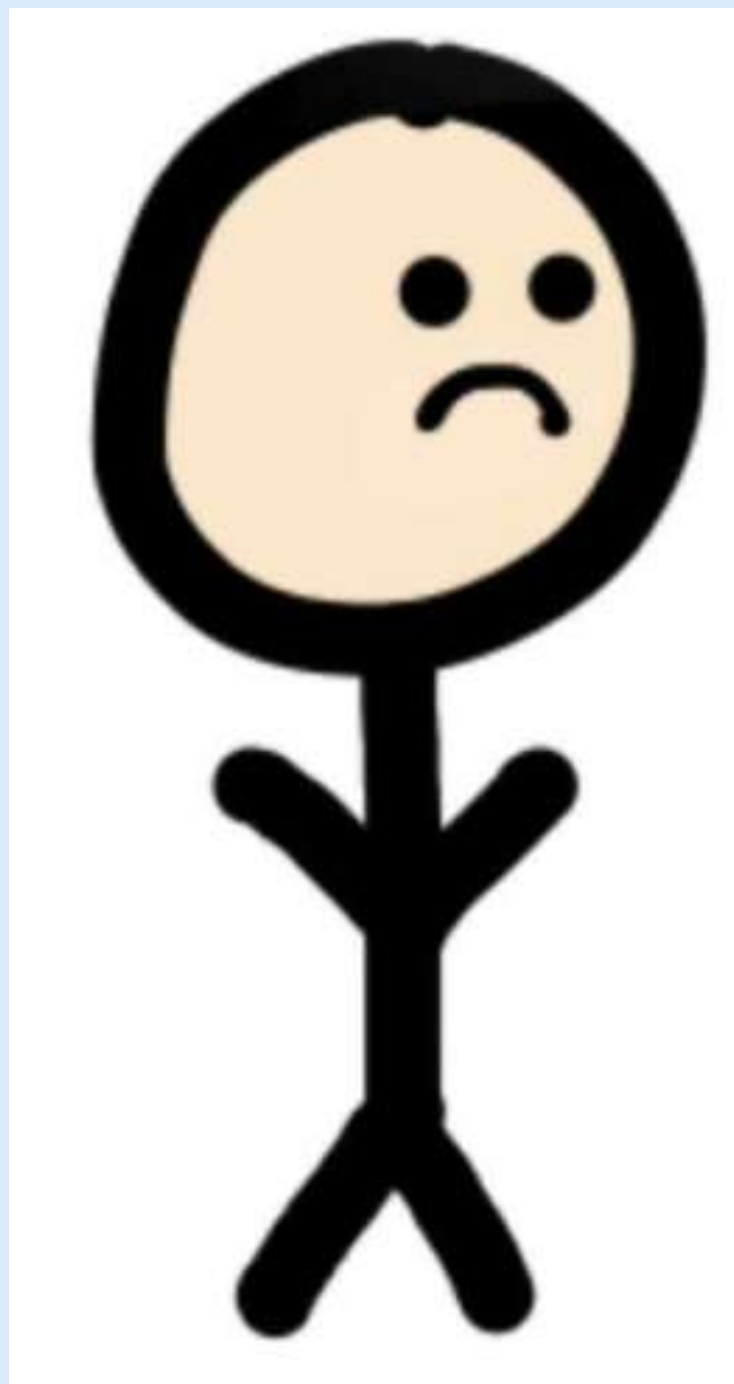


I DIDNT KNOW WHICH ROLE I
WANTED EITHER. MY STRENGTHS
DIDN'T LIE IN PROGRAMMING
OR WRITING.



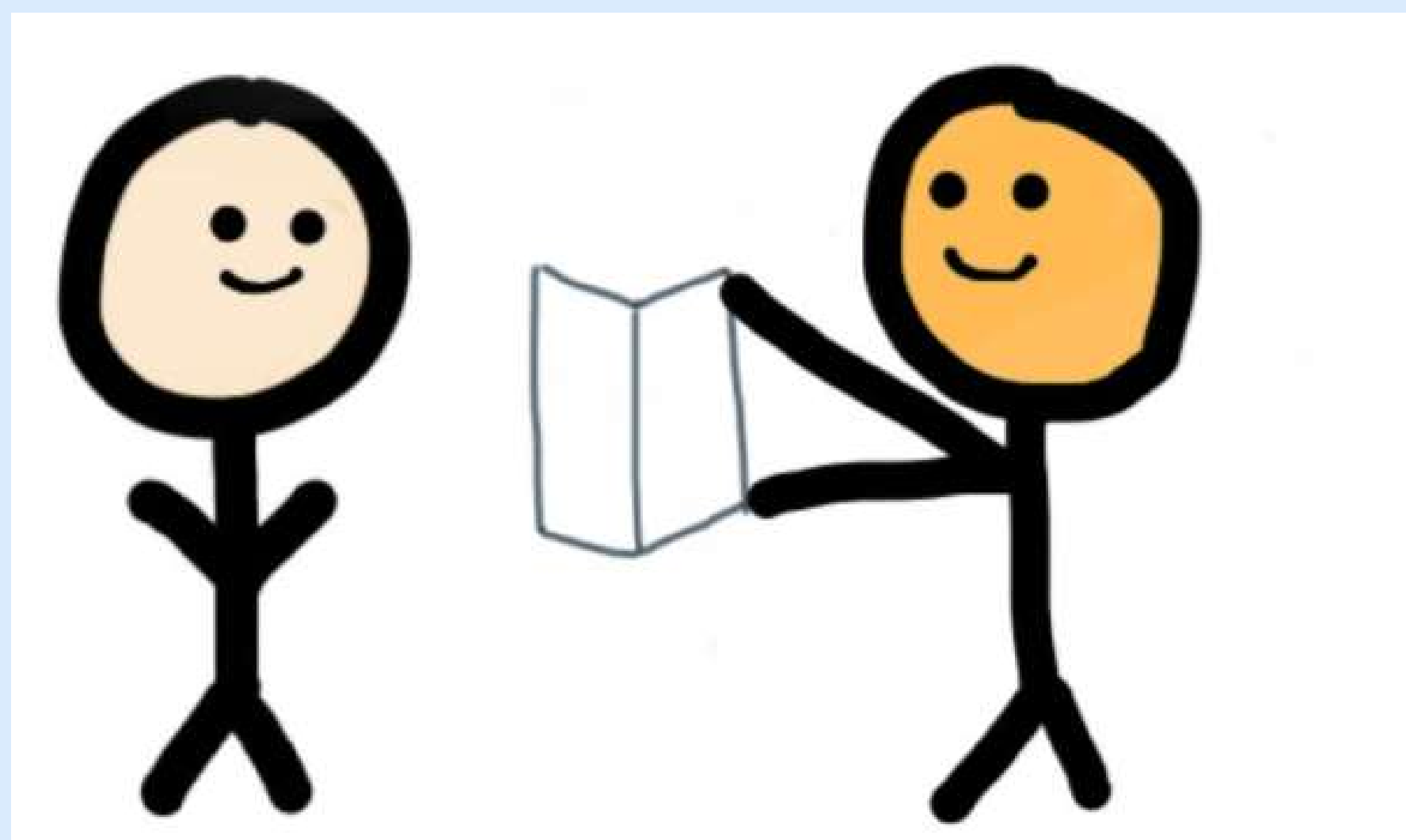
I WAS PREVIOUSLY IN STEAM 1,
WHERE I LEARNED TO BUILD. SO I
DECIDED I WOULD BECOME A
BUILDER WITH ZAYNA!

★ ELINA ★

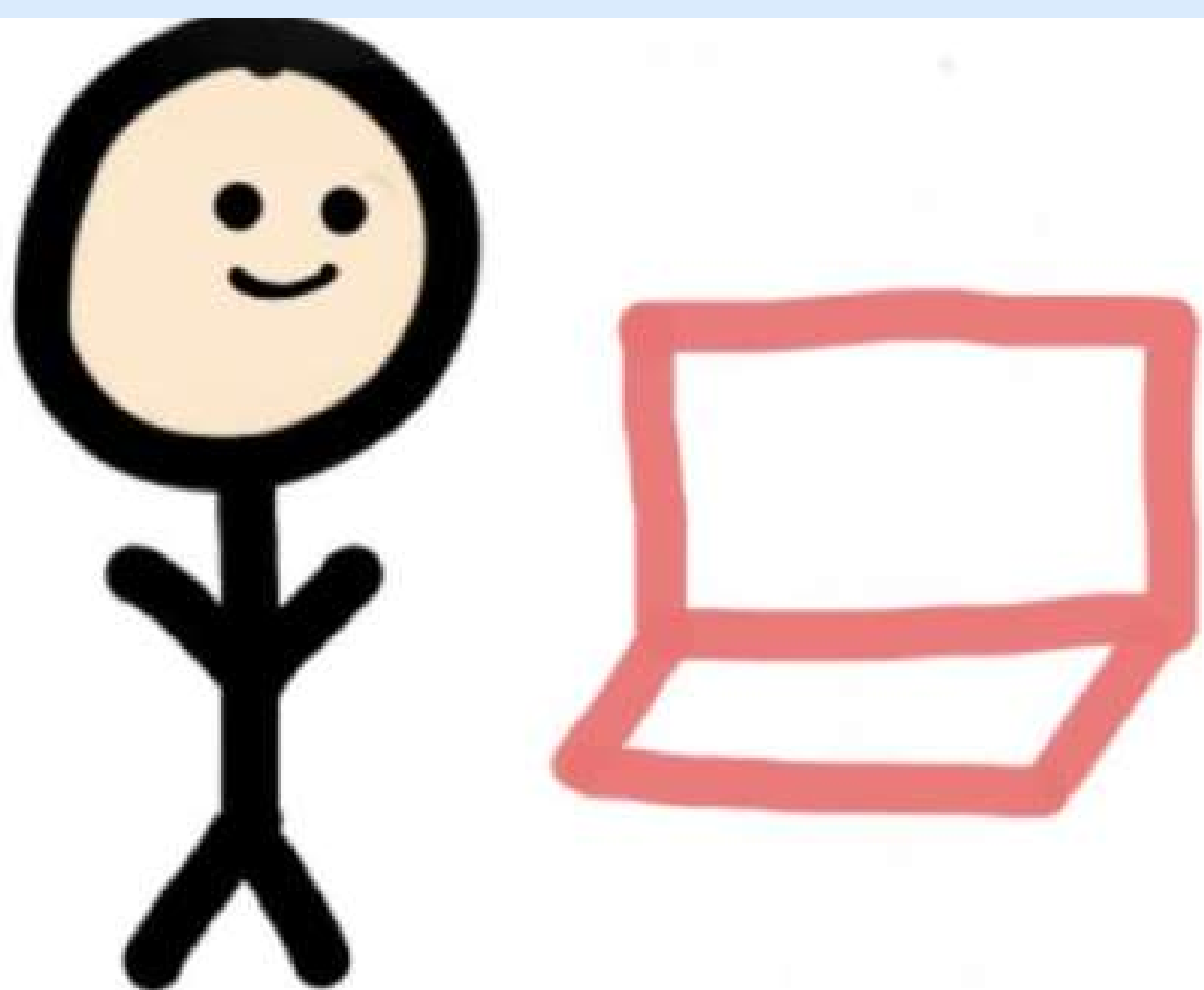


I STILL DON'T HAVE A ROLE AND
I DON'T KNOW WHAT ROLE I
WANT. BUT I KNOW MY
STRENGTHS LIE IN WRITING!

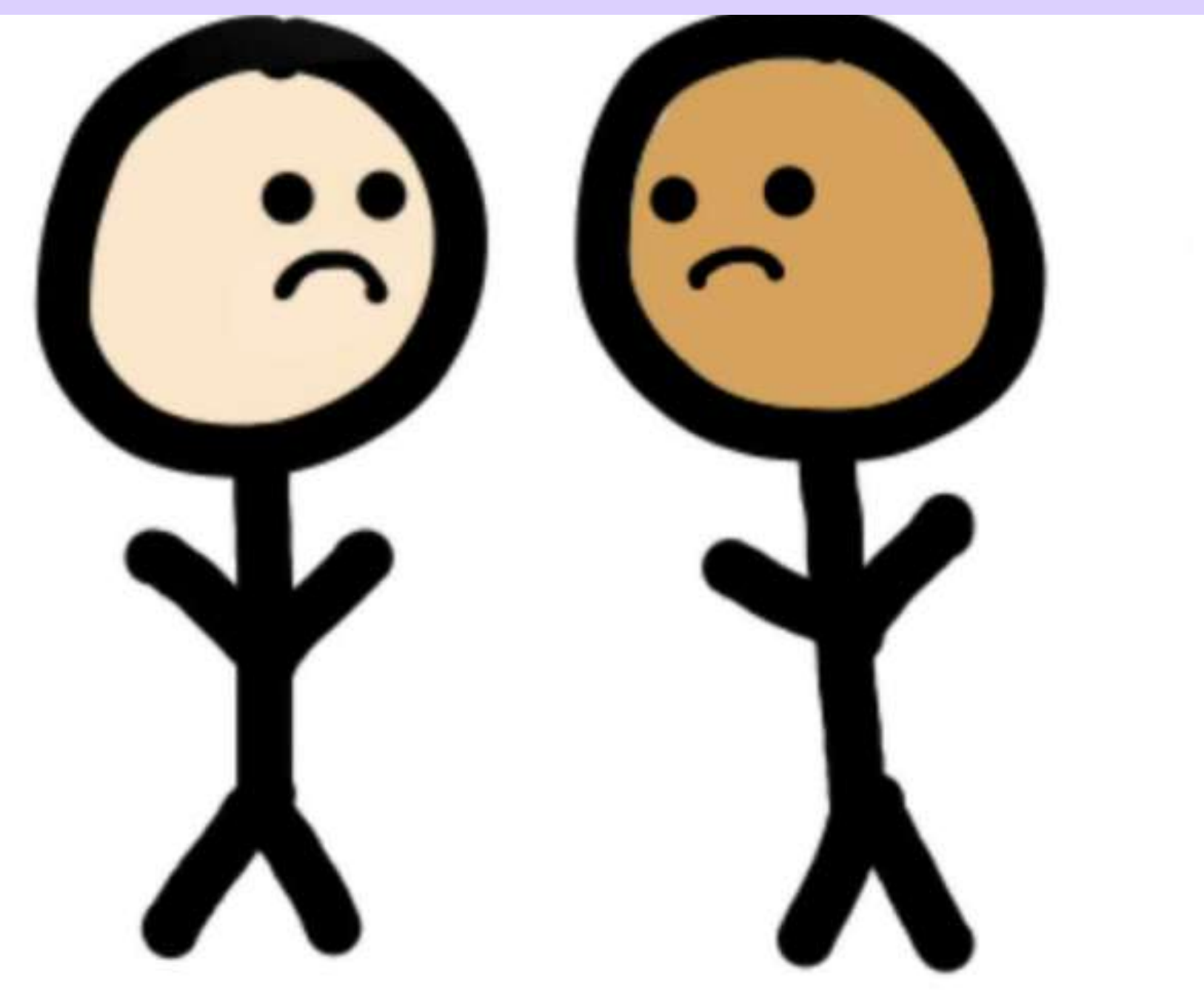
I LEARNED HOW TO
MANAGE THE NOTEBOOK
AND BECAME NOTEBOOK
MANAGER!



I ALSO LEARNED HOW TO
CAD USING AUTODESK!
NOW I MAKE DIAGRAMS
OF THE ROBOT!

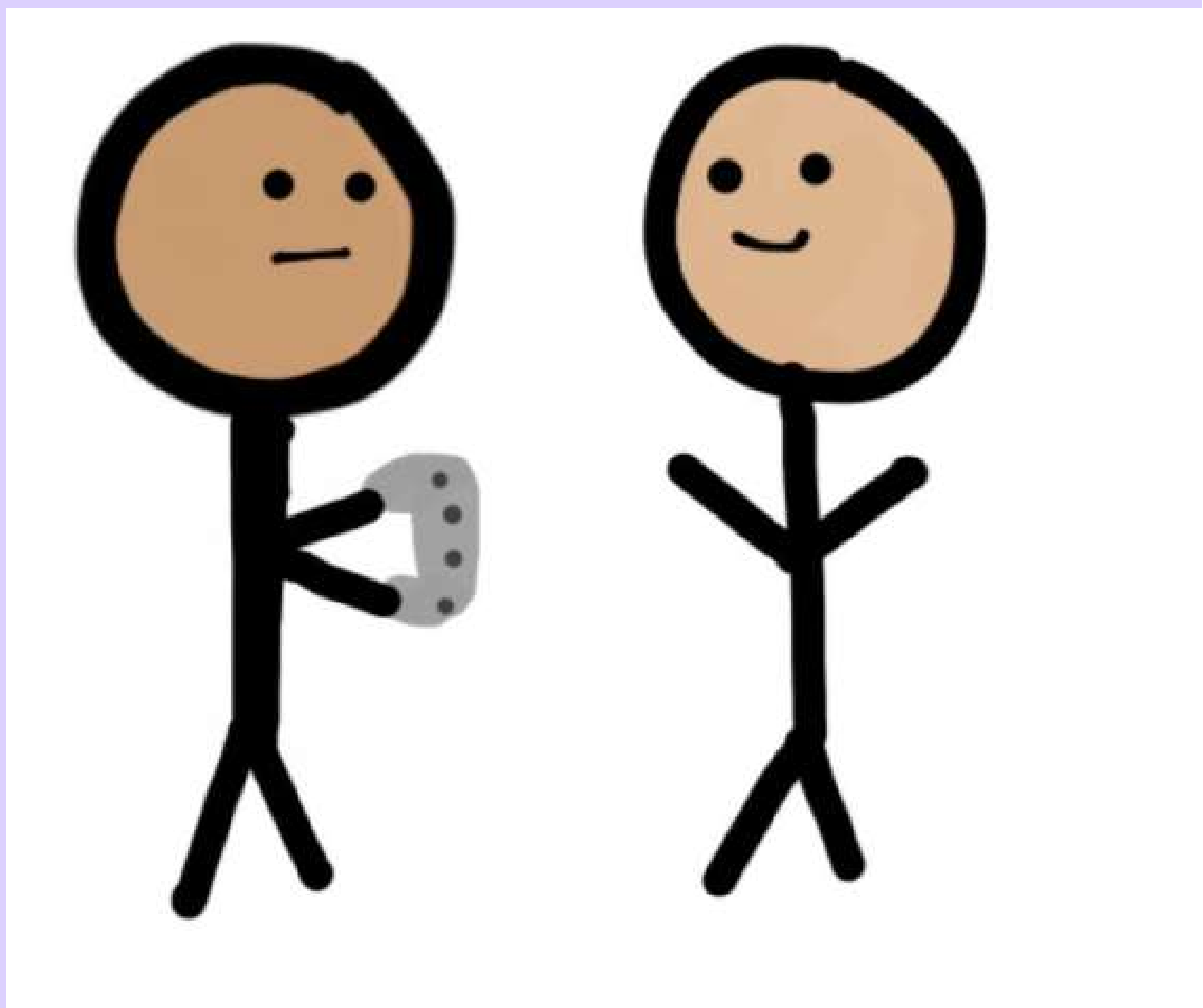


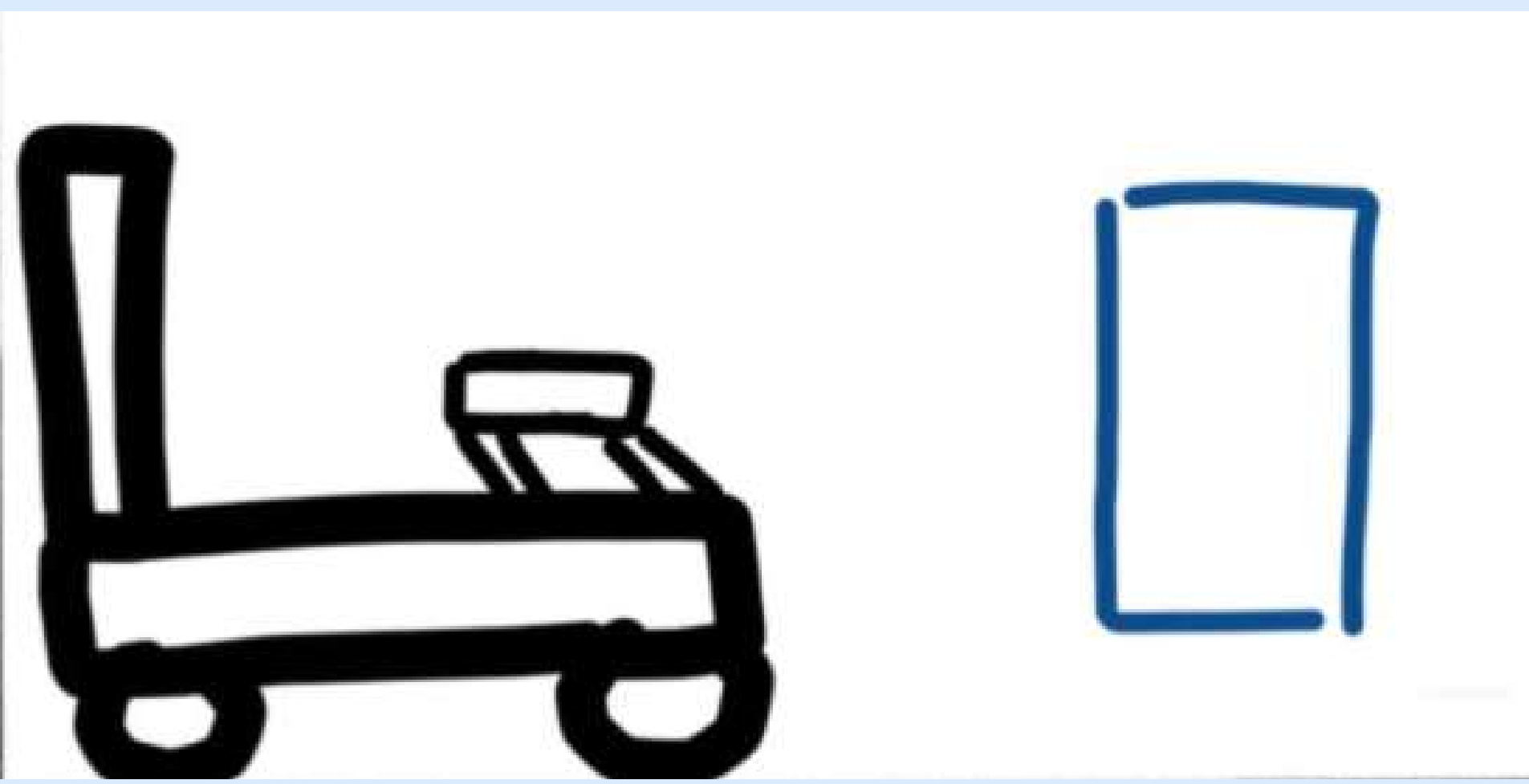
★ ZAYNA ★



MY TEAM REALIZED WE
HAD EVERY ROLE, EXCEPT A
DRIVER. AND THE ROLE OF
DRIVER IS CRUCIAL.

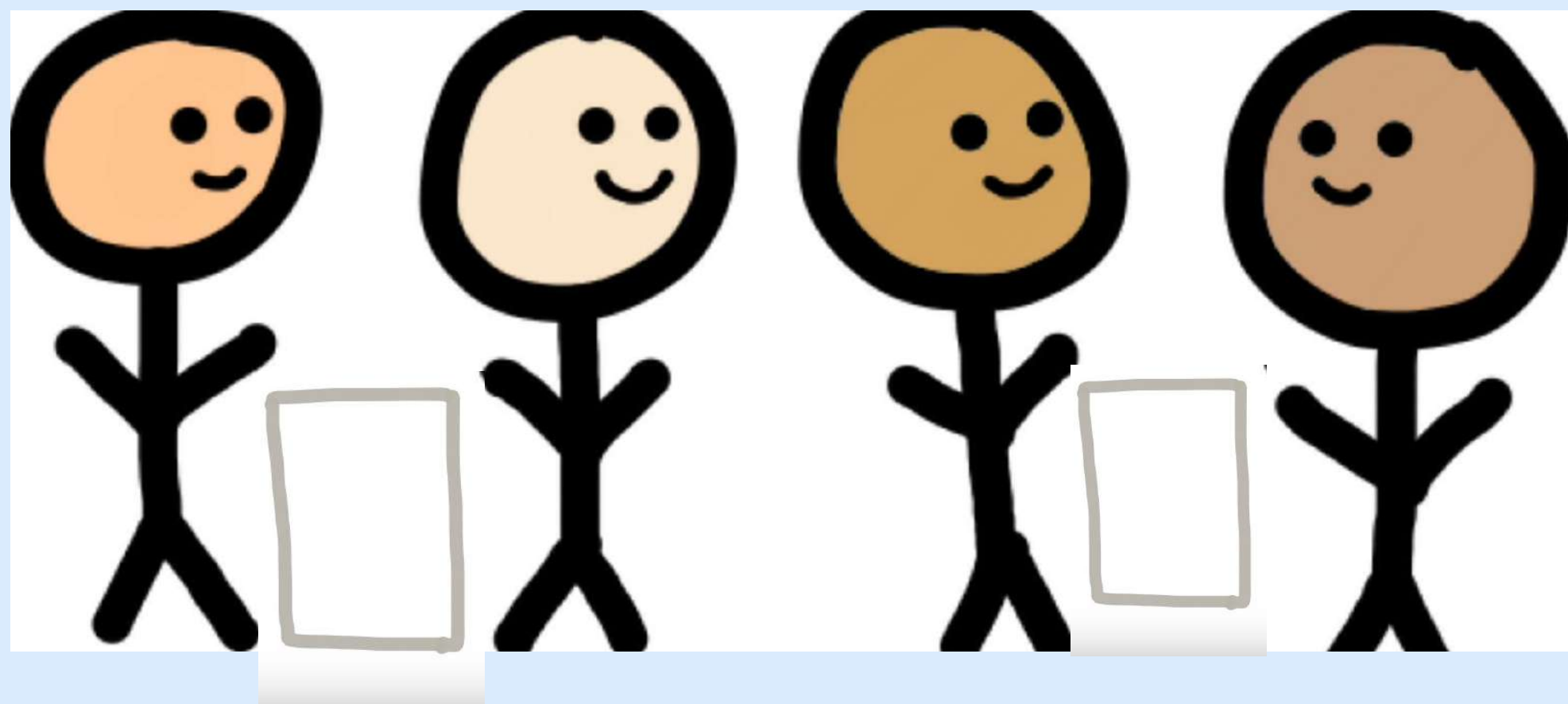
THE BEST DRIVER IN
THE SCHOOL OFFERED
TO TEACH ME TO
DRIVE.





WE ALL BUILT AND
PROGRAMMED THE
PERFECT ROBOT. OUR
NOTEBOOK WAS
PERFECTION TOO!

AT OUR FIRST
TOURNAMENT, WE
WON TOURNAMENT
CHAMPIONS AND
DESIGN AWARD!



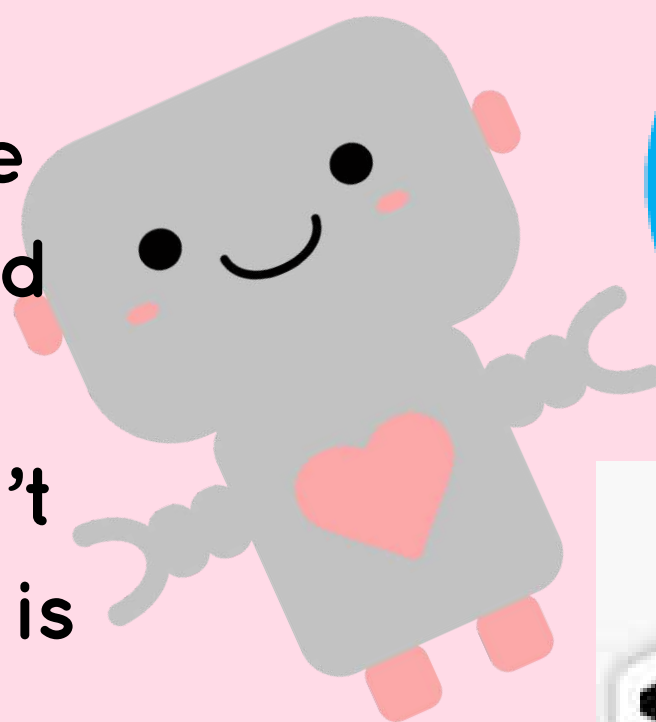
NOW, WE ARE A STRONG,
CAPABLE TEAM WHO CAN
AMOUNT TO ANYTHING WE
WANT TO!

#likeagirl

When you hear the phrase "Girl Powered", what comes to mind?

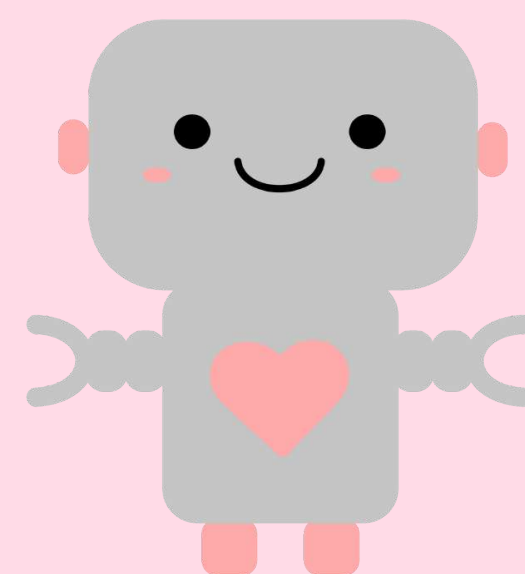
Team 8838A, Fusion, is a VRC team which consists of four intelligent, prominent, magnificent girls. We are an all girls team that is as determined and as capable as any other team. Many people think that girls shouldn't be involved in STEM fields because it is only an activity for boys. Back then girls had little to no value and were looked upon as incapable and inferior and that is still the case even now.

When one hears the phrase "Girl Powered", they don't know what it means because "girls aren't supposed to be in robotics." On the other hand, when our team hears this phrase, we think of a girl who is showing off her best abilities. We think of a girl being able to do whatever she desires. We think of a girl who can use her power to do anything. The phrase "Girl Powered" means so much to our team and is greatly reflected in our team's approach to robotics. In our RoboHawks program, and in our team, 8838A, all students are offered an equal chance at robotics, regardless of being a girl or boy. Our approach is creating an inclusive environment which offers an equal chance to everyone who wants to be a part of our RoboHawks program.

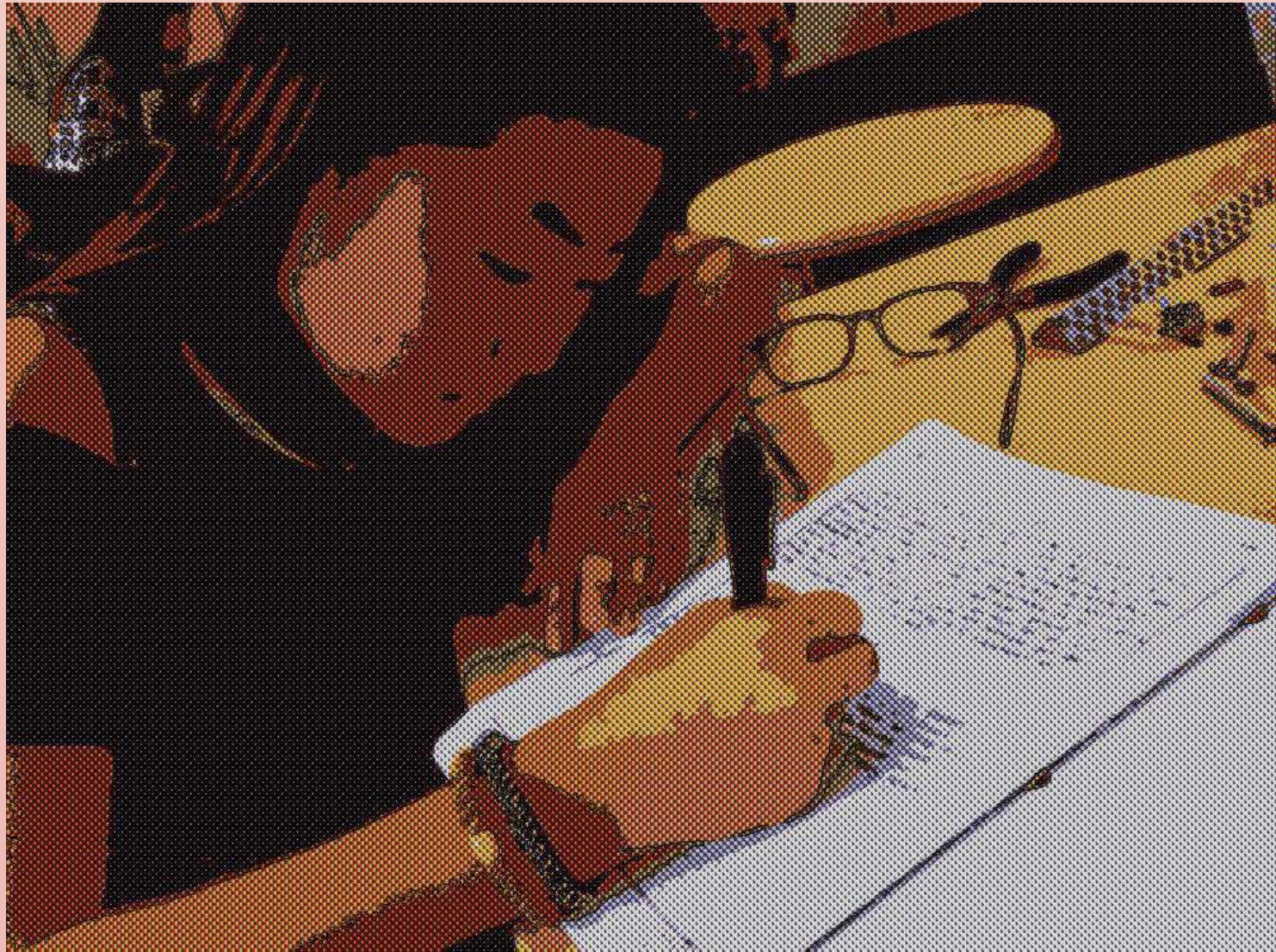
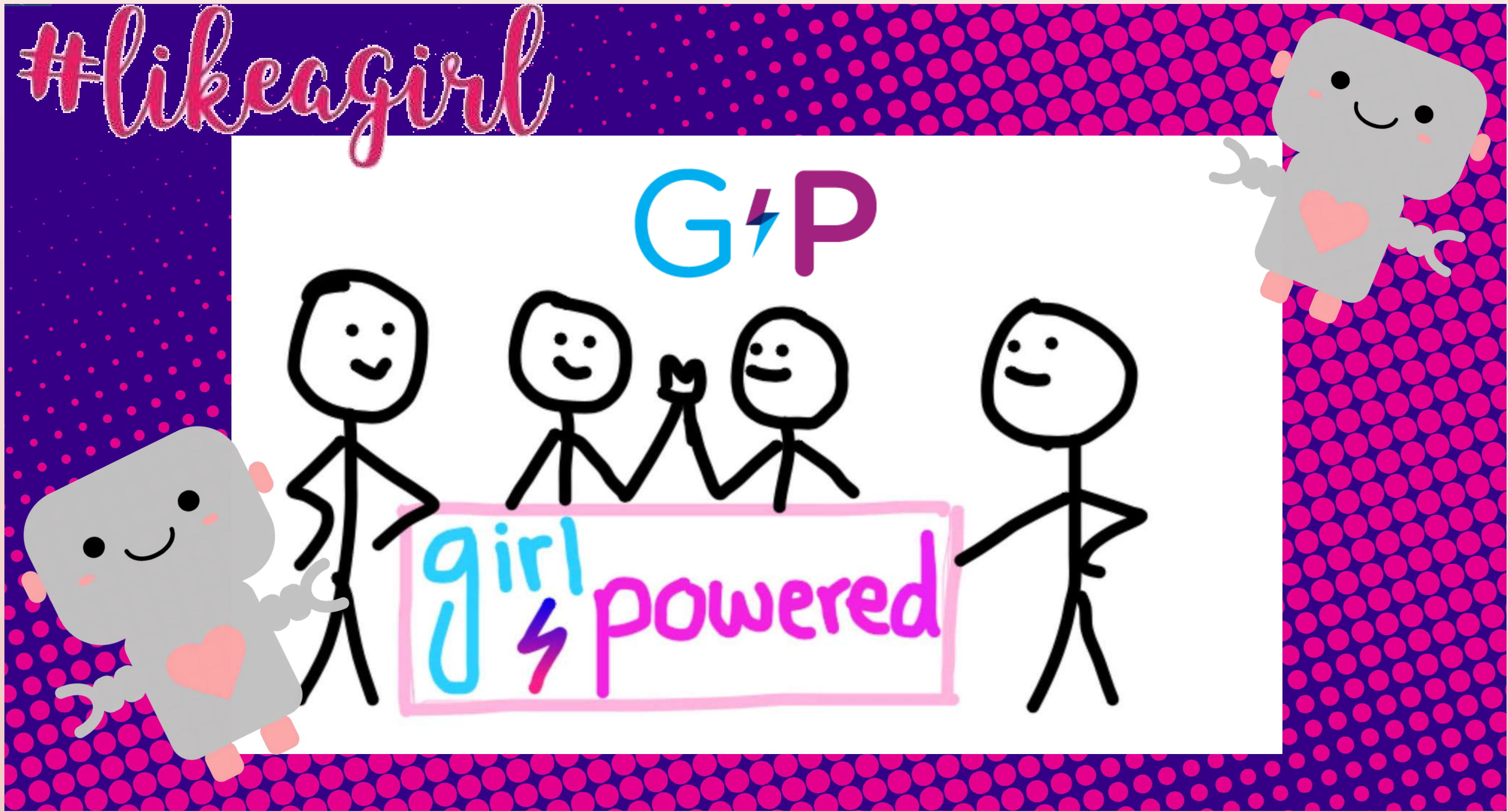


G P

`<code>`
like a girl
`</code>`



GIRL * POWERED



How our team has taken initiative to create a more inclusive environment

Our team has taken an initiative to create a more inclusive environment which attracts a diverse group of students. Being an all girls team isn't easy because if we don't do well, many think it is because we are girls. However if we do well, they think it's because we are an all girls team and receive pity. We want to change that. We want skill to determine whether we win, not the fact that we are girls.

Our team is lucky to be enclosed in a welcoming and kind environment. Not only do our peers help us in difficult situations, they support us and cheer us on. In this class, a myriad of students support and welcome our all girls team. This makes it less uneasy for us and doesn't cause us to feel excluded. Our RoboHawks program as a whole has amassed both experienced and inexperienced members to our team so we can all bounce ideas off each other. In this program, every student has an equal opportunity and chance at everything in robotics.

GIRL ★ POWERED

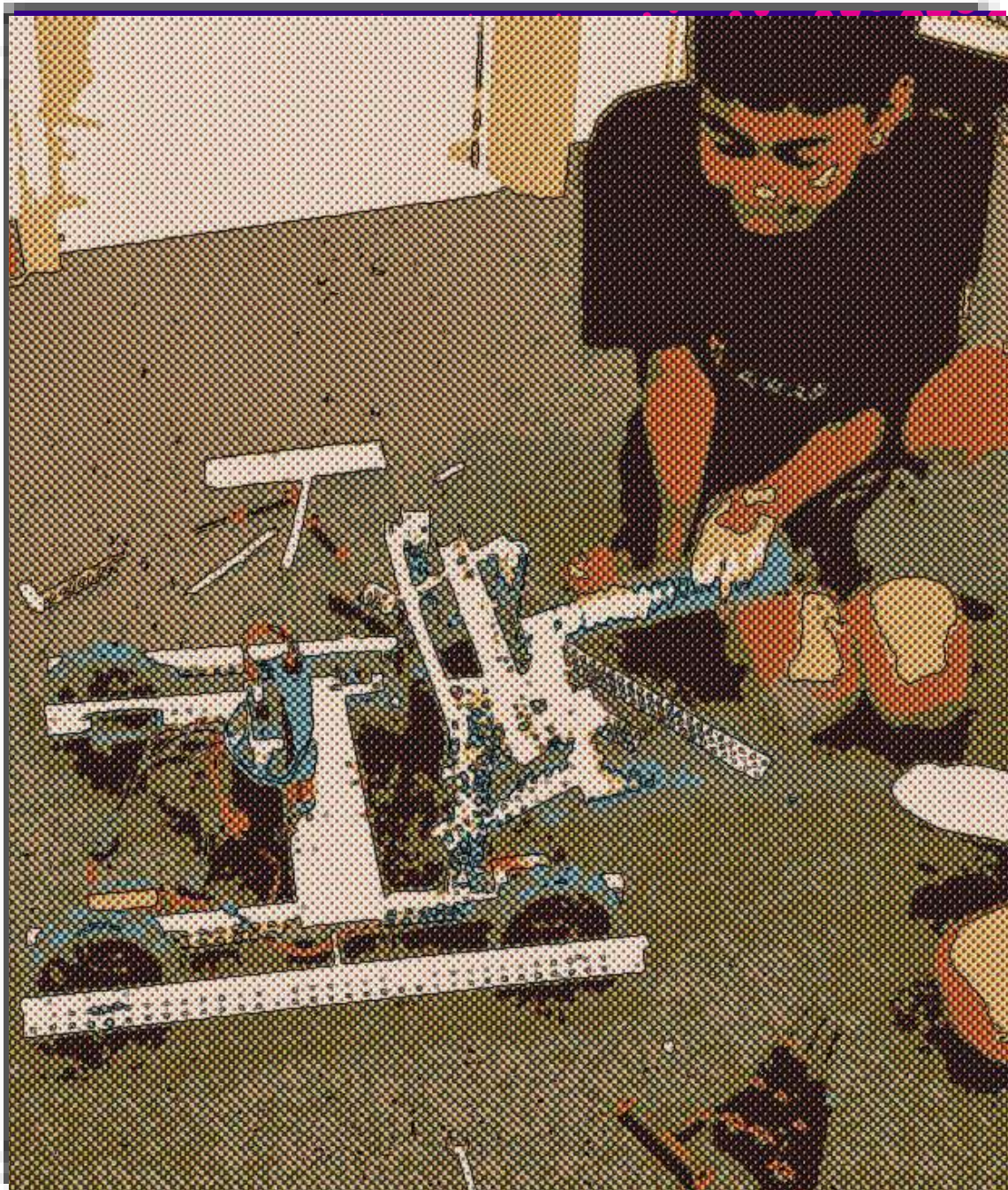


HOW WE STRIVE TO BE INCLUSIVE

As a program, we strive to help our younger scholars in their robotics program. We mentor the VEX IQ class at our school and at our elementary school.



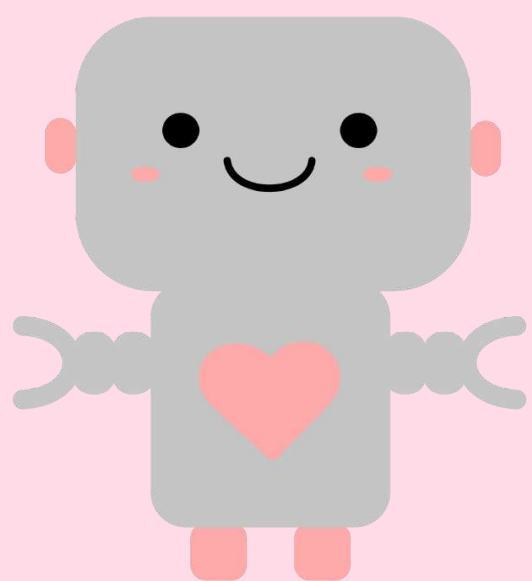
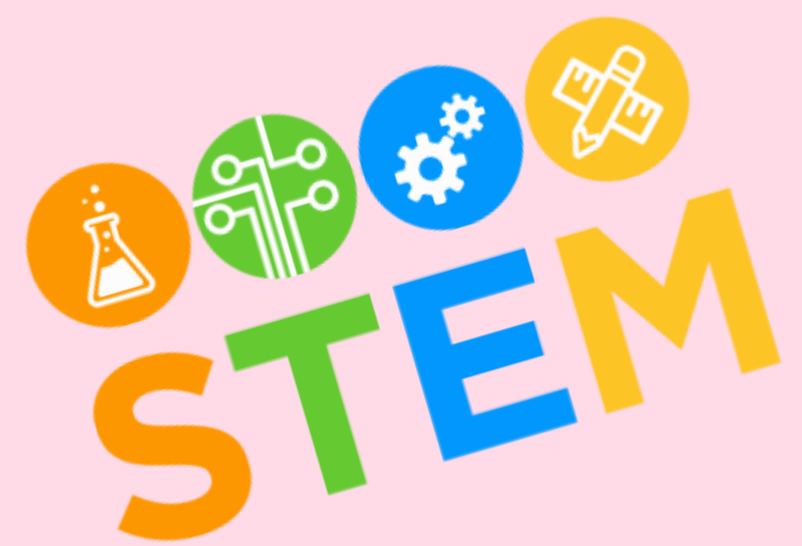
In addition to helping VEX IQ, we also receive and give advice from and to other teams.



How diversity affects our team

Having a diverse array of people changes our robot design, team chemistry, and our ability to succeed. Everyone has a different perspective, growth mindset, and outlook on things. By having a diversity of perspectives, our robot design changes significantly.

Everyone on our team has a different amount of experience and comes from a diverse STEM background. In addition, since we are so diverse, our team gets along well, because we specialize in certain areas, and as a whole, our team comes together. In all, this helps our whole team to succeed, because it allows us to have different ideas that, in all, benefit the design of our robot, our team chemistry, and our ability to succeed.



Girl⚡Powered



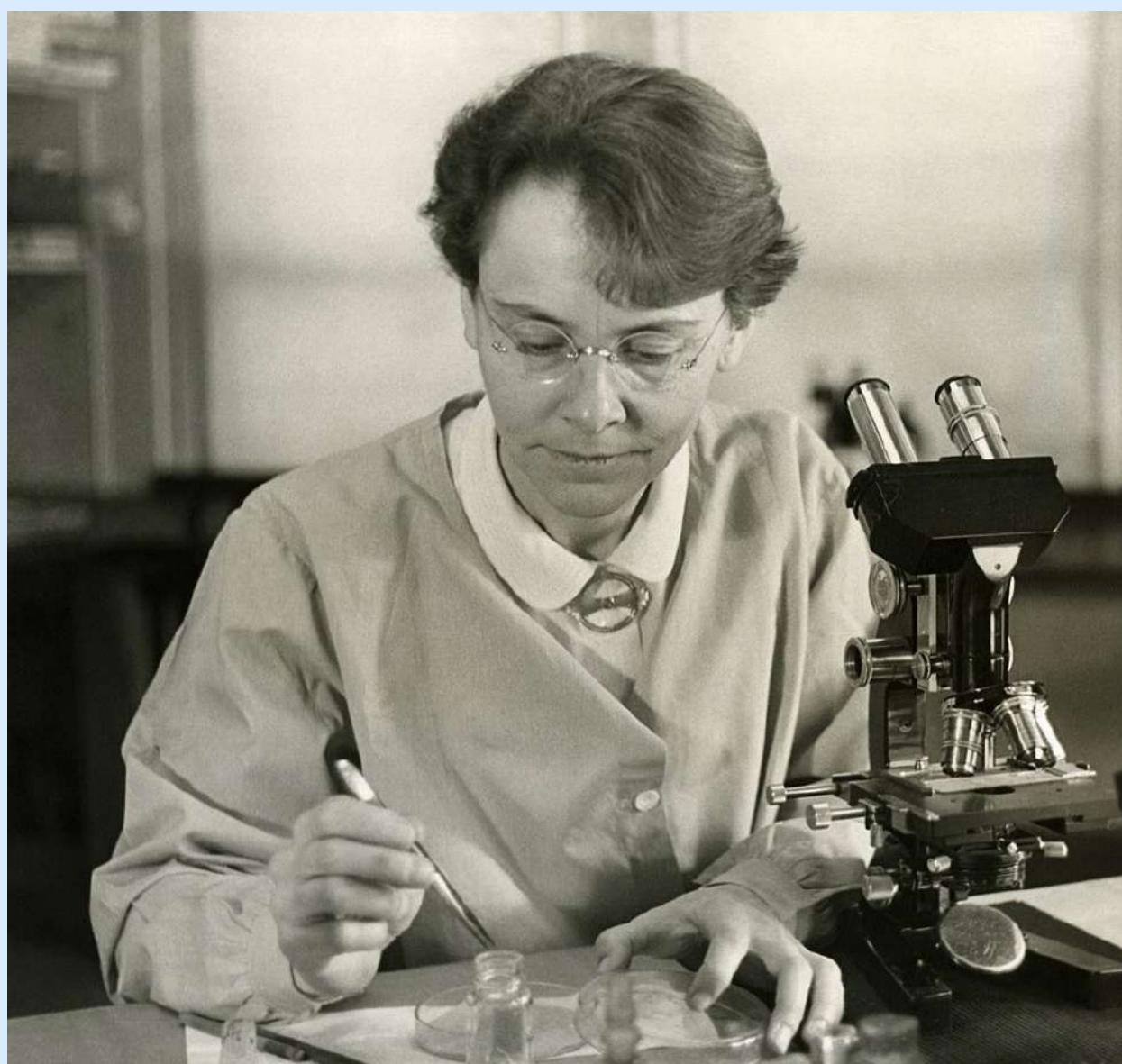
#likeagirl campaign

Team 8838A partnered with always and participated in a commercial to increase diversity and the participation of girls in robotics. Girls participating encourages other people, both boys and girls, to participate in the STEM field. This motivates people to get out of their comfort zones and explore new areas. It encourages a diverse array of people to join robotics and STEM. This commercial and campaign encouraged diversity in robotics and gave all students an equal chance.



Our STEM Role Model

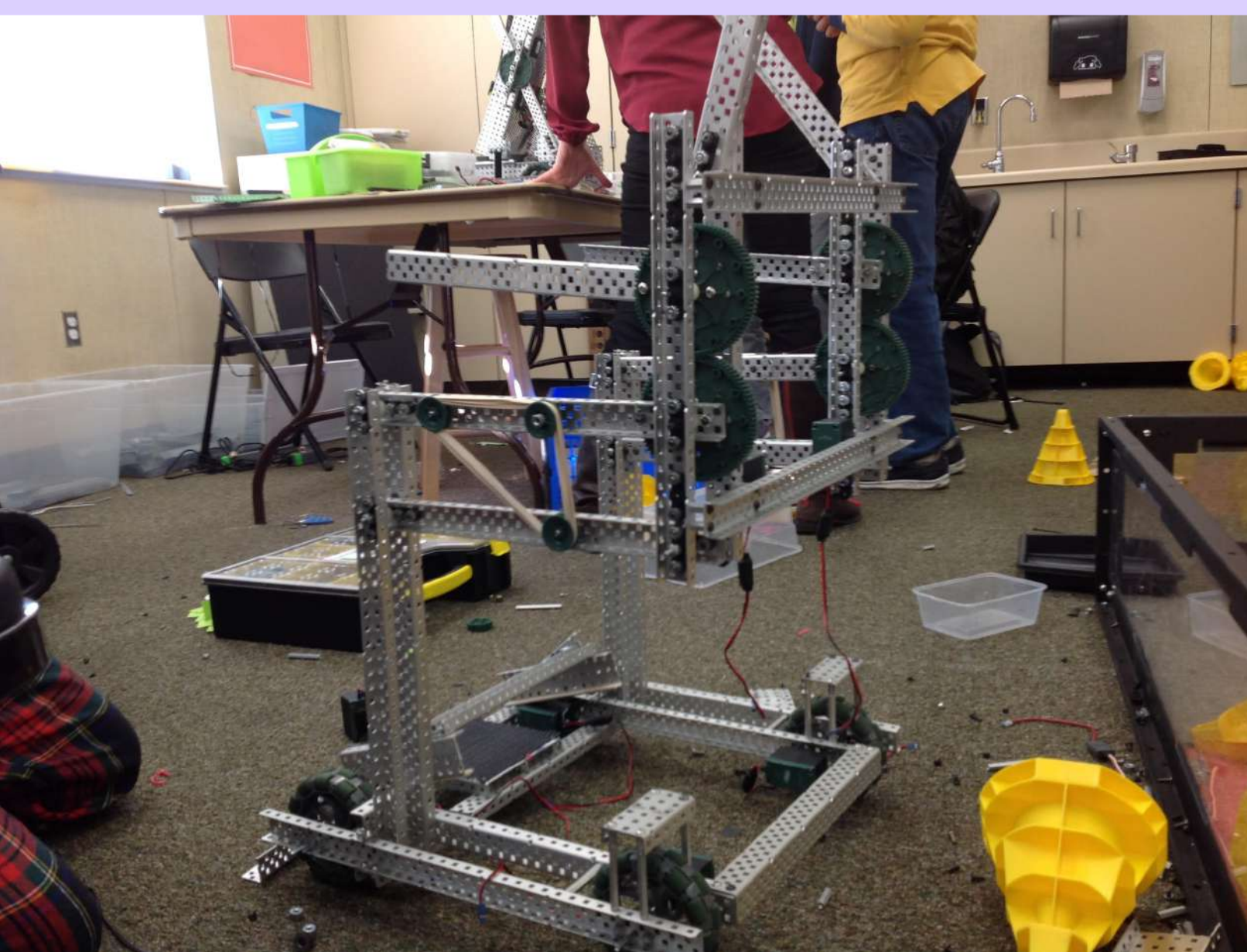
There are many people in the world who are a part of STEM and have changed the world in one way or another. One person like this who we admire is Barbara McClintock. McClintock overcame a numerous number of obstacles faced by her male counterparts. In 1983, she was awarded the Nobel Prize for Physiology or Medicine, and she became the first and only woman win this award. McClintock received her PhD in botany from Cornell University in 1927. Considering how women had a limited number of rights and we're not looked upon with respect in the 1920s, McClintock received a PhD and never gave up on her interests. McClintock inspires our team to be more inclusive in a myriad of ways. As an all girls team, we are looked upon as less superior than team which contains boys. Barbara McClintock was a girl and many obstacles throughout her career, however, she never gave up. She inspires our team to keep going and teaches us that failure is a part of life. McClintock failed many times before she was successful and received the Nobel Prize. This American scientist has changed the world of STEM and inspires us to do the same.



Future Goals

In the future, our team would like to accomplish a myriad of goals that will help us to sustain a great work ethic and an even greater robot. In order to do this, we have to deal with our problems with finesse and make sure we are always trying our hardest.

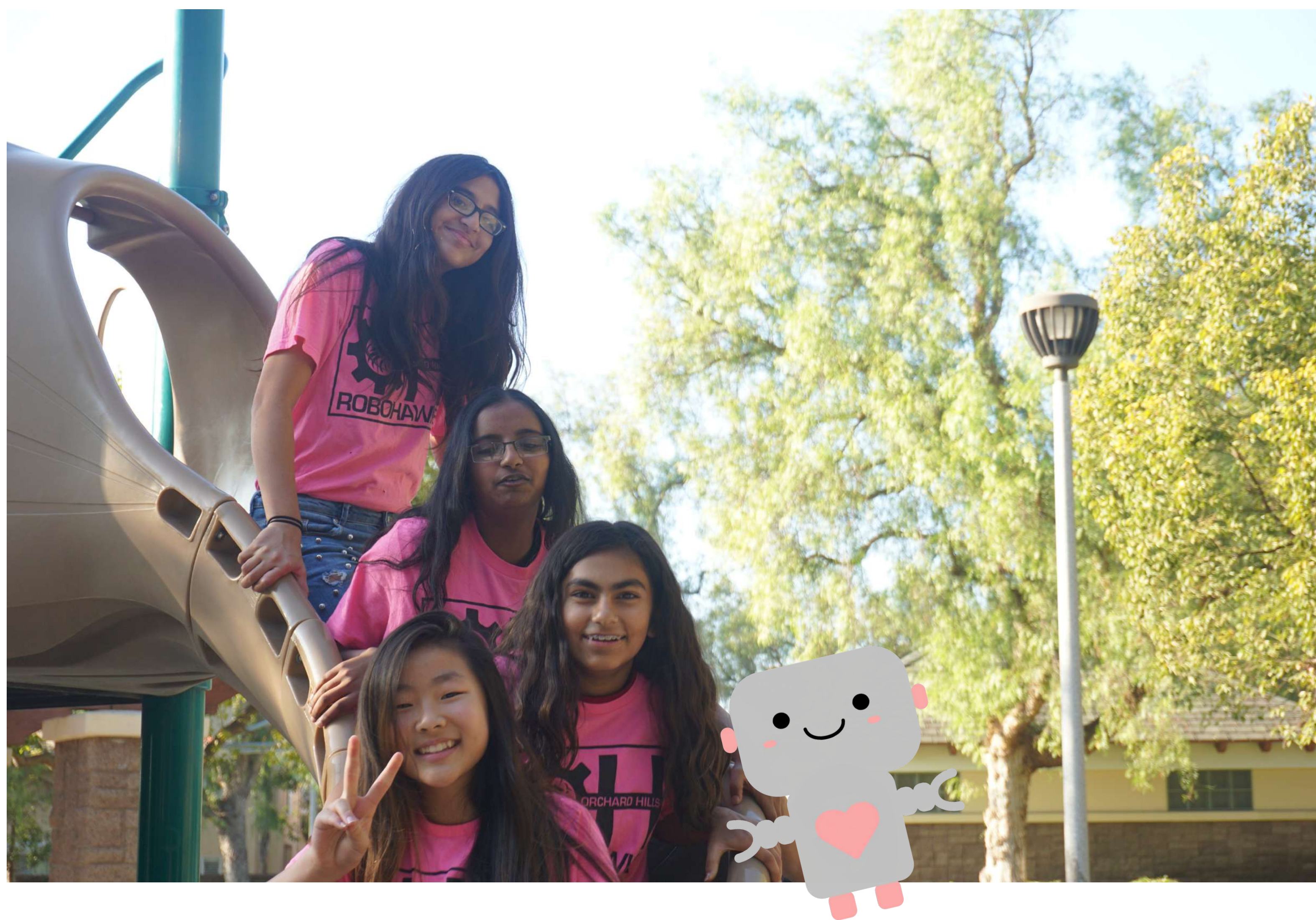
We would like to be able to instill in our team to be able to compete worldwide and keep making our robot more and more advanced. In addition, we would like to be able to receive awards, such as design or excellence awards for areas that don't only involve building, because we believe that every role counts, and diversity is extremely important in teams. We are resolute in pursuit of our dreams, and will do whatever it takes to achieve our goals.



Our Team :)



Credits



SAACHI GOYAL- ILLUSTRATIONS AND WRITING

SAFORA ZIA- GRAPHIC DESIGN AND WRITING

PHOTOS BY ZAYNA LATEEF