#### EMPOWERING WOMEN TOGETHER





#### **Girl Powered**

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When we hear the phrase girl powered, the first thing that comes to mind are the words inclusion, diversity and empowerment. As more thought goes into it, we think about the differing perspectives women bring into the STEM field. Being an all-girls team, we approach robotics with the goal to about chers that anyone can succeed in the STEM field.

# Our History

Our journey in VEX robotics started off on the Canyon Hills Middle School VEX robotics stam. We had a tackler, Mr. Cabase, who inspired and notivated us to join the new club, where he was the advisor, Participating in the Nothing plan New Born of the West and School Vex Participating in the Nothing plan New game started our interest in VEX and allowed us to become familiar with the program. During our list year, our advisor taught us the besides or industries, and as the years progressed we continued to evolve and become more knowledgeable about the engineering and design process. After promoting to high school, we attempted to start a robotics club for the Starstruck game, but the school could not had both as PEGA out VEX falls at the same time. Leventual, we decided to create an independent team, and, thus, Biosic Resilience was born.



# The Ups and Downs

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## lnspiring Others



In the beginning, we started by reaching out to younger girls in elementary and middle achools. During this, we soon noticed that out goal should not to be just to reach out to price but to all lids with differing backgrounds. Ou goal was not be to push men out of the STEM field, but to create an equilibrium of middle, but to reach an equilibrium of women. In addition to giving presentations, we plan on hosticity workshops to give lids a hands on experience. We also persuaded our school to establish a VK club, where we teach our elessantees the basics of engineering and coding.

## engineering and coding. Our Role Model

Marian Diamond was a leading scientist who made generous contributions to neuroscieno neuroanatomy, and neuroplasticity. Diamono became the first female instructor of scieno Cornell University, then became a professor Cornell university then became a professor De berkeley, teaching neurology and anaton She taught us that we can do whatever we wa as long as we put our minds and hearts to it.



## Our Perspective

As an all girls team, we realized that while it is important to make people awars of the lack of women in the STEM fields, it is more important to show people that women bring a varying perspective that is critical to the success of not only this field but many others as well. In our experience, we noticed that our perspective on the robots design process and strategy was focused on trying to build, amore diverse nother that would be all to do everything. We also realized that other teams, generally male dominated, have robots that focus on one aspect, but have stronger strategies, from this, we learned that we need all kinds of perspectives and views in the STEM field in order to advance in technology.





#### The Learning Process



n robotics each team member contributed to the design, righteering, and stratety of the obot. His caused us to learn important skills that lead to the trooth of our team. Having the members of our team doing various oles was every beneficial. He variantorning process taught us ho of evelop During competitions we get opportunities to interact with there teams and develop different trategies for upcoming matches. Yutting everything that we learned with the value of evelop different trategies for upcoming matches.

#### The Future





## Credits:

reators: Jazmine Chua, Isabelle Do and H uzman

Other team members: Oishee Das, Kristen Aleccih, Shelby Wu, Sidney Ackerman

n: 91709A Bionic Resilien