

Above & Beyond

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From: Norland Middle In Miami, Florida



Girl Power

Barricades are usually known to block or stop things, people, and animals from doing things, but this generation of females are chipping at the barricades that stops them from reaching their limits and beyond.

There has been many first times for us females such as 'The First Female to go to Space', 'The First All-Female Flight Crew', and 'The First Female Vice President of the United States'. This do not stop us girls and women from going above and beyond and to dream bigger. Our generation will be the future leaders of women raising the bar and getting the recognition we deserve.



Who we are



We are first generation students who strive for excellence and breaking generation cycle of poverty. We are academically gifted and attend one of the top performing arts magnet schools in Miami, Florida. We plan to be the first in our family to attend top universities in Science, technology Engineering and Mathematics (STEM).



Girl Power

When we hear the phrase “girl power” we think of the new generation of girls working together to make the world a better place. Girl power can even be showing boys that girls play an important part in our world. More women are now entering male-dominated industries and careers. If we persuade other girls to have more self confidence in themselves we can and pave the way for other girls in these industries.

Women in STEM fields have open doors and opportunities for girls to accomplish their dreams. They have proven over time that girls and women can rise above the norm. They are leading the way in STEM fields that are typically dominated by male. They have also assisted young girls to dream big by through mentorship in various research areas across the globe.

Inclusivity

Our team takes initiative to create a more inclusive environment by including both girls and boys of different sexualities, needs, and preferences. Girls are given the chance to develop skills that usually boys are taught and are also encouraged to use those skills throughout their daily lives. When we are making choices that will affect our projects we value our girls' opinions as much as we value the boys. Everyone has a voice and we encourage each other to share and contribute.





Team Roles

The roles that are assigned to our members helps develop our weaknesses and builds on our strength. Despite our assigned roles we believe it is right for everyone to try other roles at least once so we can meet our goals, achievements, and enhance our strengths. Usually, females are stereotyped and are not given the chance to choose their roles on male dominated careers. If we empower girls, we show them that they can achieve their goals.



Team Roles

- Aisha far left is the Project Manager, she plans, organizes, and directs each project.
- Demia in the middle is the Technical Writer, she draws out our plans and shows us visuals.
- Achenide far right is the Lead programmer, she oversees software development, and she is responsible for technical choices.

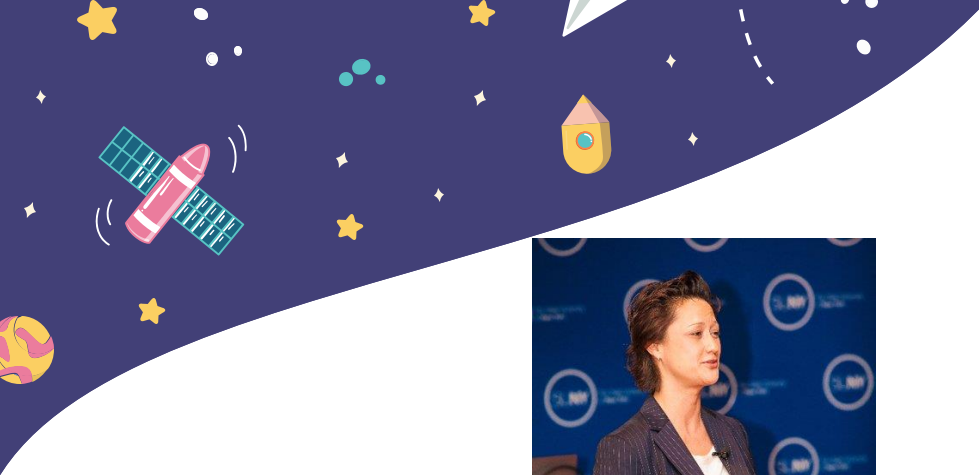


Fun Fact: Demia takes magnet art classes, Achenide enjoys programming and working with software, and Aisha is the most organized out of all of us

Diversity Of Perspective

We think diversity of perspective changes our robot design, team chemistry, and even our ability to succeed because when we see things from different perspectives such as different backgrounds, race, and preferences we see designs differently and we can produce different ideas. A one side perspective in our team can lead to projects failing because our other members are not able to contribute and give their feedback on what they think is right or wrong. For example, one of us might think that a piece of a robot hand might go into another piece that's wrong but without contribution from other members the building process might fail. Everyone's perspective is unique and has their own strengths and weaknesses.





One of our STEM role models is Luan Cox. She is the founder and CEO of FinMKT, she is also a founding member CFPA. Luna Cox once said, "This begins by teaching and coaching young people that successful entrepreneurs are not classified or limited by gender".

STEM Role Models



Our TEAM'S STEM role model is Katherine Johnson. She is an amazing top-notch Mathematician and computer scientist. She is also known for calculating and analyzing the flight paths of many different space crafts during her decades with the US Space Program. Shauna Gammon an Ayogo's lead product designer said, "*I am so grateful that Katherine Johnson helped paved the way for women like me to peruse careers in mathematics and technology.*"

Websites

<https://www.weforum.org/agenda/2021/06/8-women-ceos-on-bridging-the-gender-gap-in-tech/>

<https://www.thehistorymakers.org/biography/katherine-g-johnson-42>

<https://slidesgo.com>

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