

GIRLS RULE THE GALAXY

TEAM 113 - THE GALAXYBOTS

#ENGINEERINGDIVAS



**OAK GROVE LOWER ELEMENTARY
HATTIESBURG, MS**



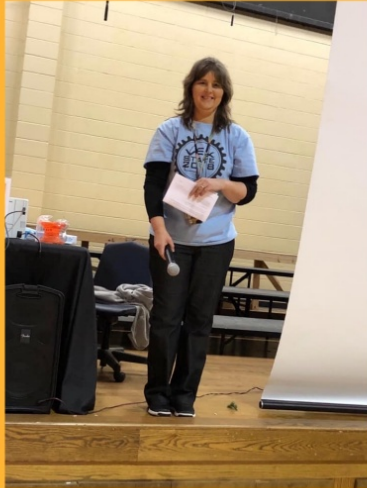
WELCOME TO OUR SCHOOL
(GALAXY)!

While traveling along the 3rd grade
planet, three girl astronauts meet
and began a VEX journey.

TEACHER

**FUN
FACTS**

MRS. NADINE AMAYA ✨



EXCEL GIFTED TEACHER & ROBOTICS COACH

- + 2015 - Began School Robotics Program
- + 2017 OGLE Teacher of the Year
- + 2019 - Started Pine Belt Robotics Academy

Mrs. Amaya saw the astronauts and told them about the exciting world of VEX IQ and robotics. She became their role model and gave them a chance to participate in robotics. She was encouraging and helpful in several ways. She showed the meaning of Girl Power.

FUN FACTS ABOUT ROBOTICS

STEM INNOVATIVE ✦

✦ TEAMWORK/LEADERS

COMMUNICATION ✦

✦ PROBLEM SOLVING



Everything was exciting, and the astronauts wanted to learn more and become better at it. They took initiative by discovering that STEAM can be fun and ANYONE who wants to learn robotics can do it!

**BECOMING A
TEAM**

**LEARNING WITH
STEAM**

VEX IQ
LET'S GO EXPLORE!

STEAM AT OGLE

OAK GROVE LOWER ELEMENTARY VEX TEAMS



Vex IQ has made a big difference at our school!

A TEAM WAS FORMED



Morgan



Trudie



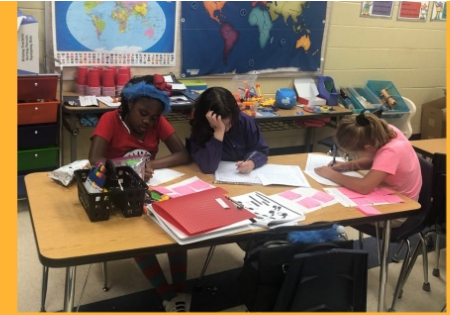
Nola



The astronauts were chosen to be on Team 113A, a girl powered team. Nola was given the title of Notebook Manager. Trudie was selected as the Build and Design Manager, Morgan as driving and Programming Manager.

We all help each other with everything. Through this experience, we learned that we all are good at different things. You can make a really good team together by combining the skills together.

EDUCATIONAL



S



SCIENCE

T



TECHNOLOGY

E



ENGINEERING

A



ART

M



MATHEMATICS

The team of astronauts works together in many ways through programming, building, writing in the notebook, and robot design.

"We listen to each other's ideas and don't just go with one person's idea before trying out other ideas. When we are in a tournament talking to other teams, we do the same thing and listen to other teams team members too". - Astronaut Nola

WELCOME TO OUR + GALAXY



WRITING



DESIGN



PROGRAMMING



MATH



PRACTICE & TOURNAMENTS





PROGRAMMING

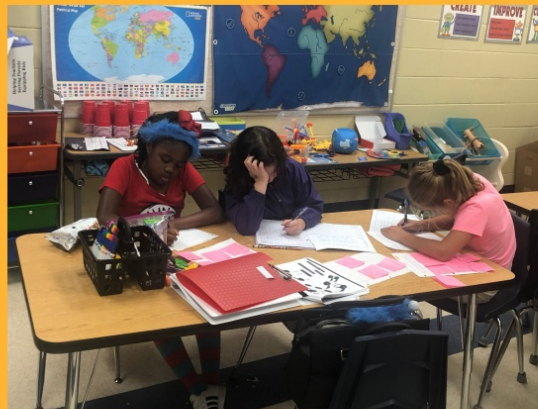
The Galaxybots participated in a workshop to learn to code and program their robot. They were the first team in their school to have a program! #EngineeringDivas





WRITING

The Galaxybots put all their ideas, strategies, and research in their engineering notebook.





DESIGN #ENGINEERINGDIVAS

The GalaxyBots put a lot of time into designing and building their robot, "the Clutch."





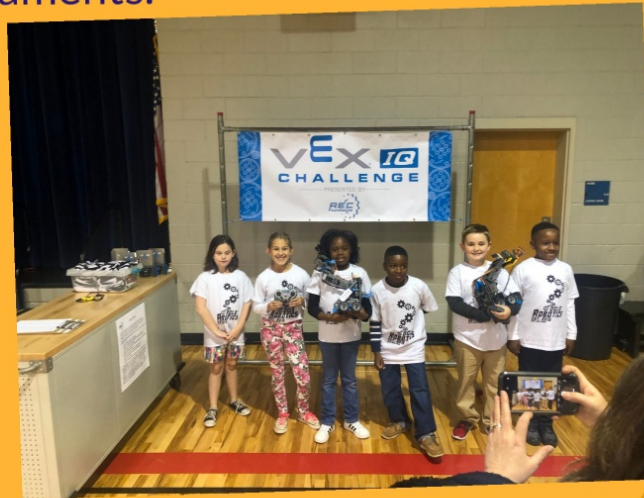
MATH

Math is used for programming -
measurements and points for scoring.



Practice & Tournaments

Our team practice two to three times a week. We have participated in four tournaments.



GIRL POWER

GIRLS WHO WOW THE WORLD



ROLE MODEL

WE CAN DO IT!

GIRLS RUN THE WORLD



Katherine Johnson is our STEM role model. She was a very smart mathematician and was the first Black Female to work at NASA. Her work played an important role in sending the first person to the moon! Because she did it, that lets us know that girls like me can work hard and have an impact in STEAM. - Astronaut Morgan



GIRLS CAN DO ANYTHING!!

When I hear the phrase Girl Powered, I think of being a strong girl who is a leader. It motivates me and lets me know we can do a lot of things. Girls working together is Girl Power. Our team works together and we all let each other talk. - Morgan

We all have different perspective, but we can combine our ideas to make a good robot design. Even though we don't always get along, because we like and respect each other, we listen to each other's ideas to come up with the best way to get things done and succeed. - Nola

Girl Powered is reflected in our teams' approach to Robotics because we know we can be good at robotics if we put our mind to it. We always help each other and show other girls they can do it too!!- Trudie

CREDITS

Title: Girls Rule the Galaxy

By: GalaxyBots Team 113A
Oak Grover Lower Elementary (Hattiesburg, MS)
Morgan Caldwell, Trudie Irby, Nola Malrin

Photos by: GalaxyBots Parents and Mr. Calvin Bogan

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Oak Grove Lower Elementary School

Online Photos:

<https://www.latimes.com/books/la-et-jc-katherine-johnson-autobiography-20181220-story.htm>

<https://www.amightygirl.com/blog?p=20192>

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