



Neaera Robotics

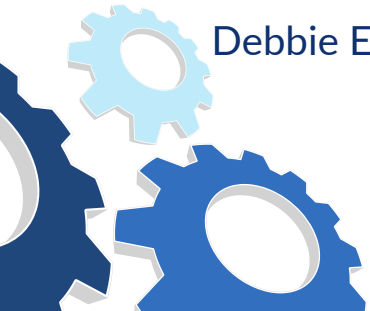


2022

ANNUAL  
REPORT

PREPARED BY  
Debbie English

DATE  
11/1/2022



THE MISSION: TO PROVIDE MIDDLE AND HIGH SCHOOL STUDENTS HANDS ON TRAINING, MENTORING, AND EDUCATION IN THE FIELDS OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS; AND TO PROVIDE STUDENTS WITH REAL LIFE INTERACTIONS WITH BUSINESSES IN THE COMMUNITY; TO PRACTICE GRACIOUS PROFESSIONALISM, TEAMWORK AND INNOVATION

## Executive Summary

Neaera Robotics will work as a nonprofit company working with middle school and high school aged children developing in the fields of science technology, engineering and mathematics through the interest of building robots. We aim to also guide and mentor youth with real life business interactions with businesses within the community. Our main focus is to work with a group of students to develop an understanding of engineering through developing robots that have practical use.

### Objectives

#### 1. Development

The development and operation of an after school educational robotic club.

#### 2. Enlighten

To enlighten, guide and educate youths in the areas of science, technology, engineering and mathematics.

#### 3. Access

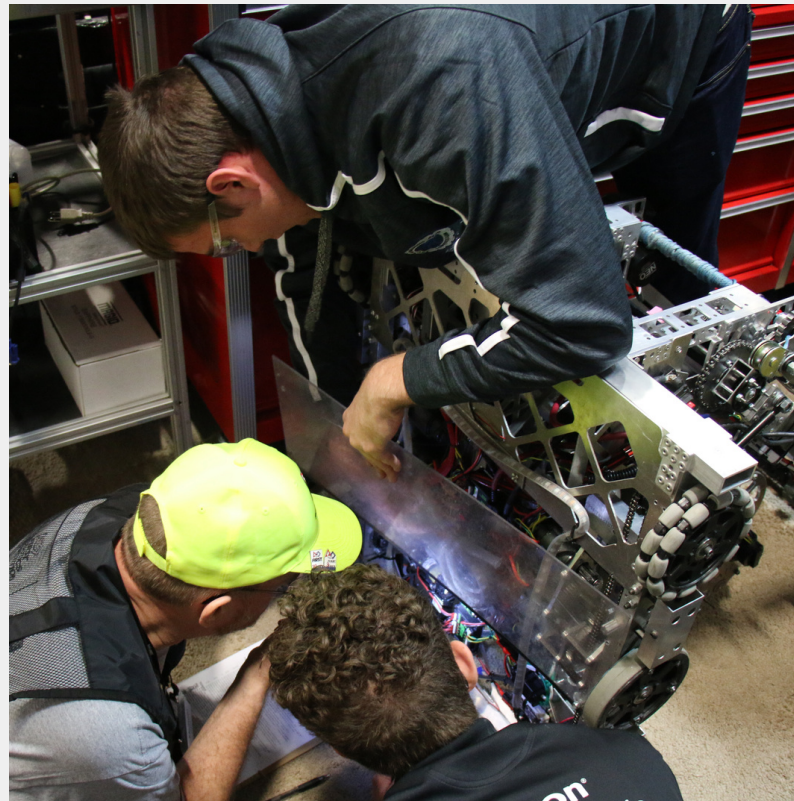
to provide access to and reduce costs for youths seeking to engage in hands on learning.

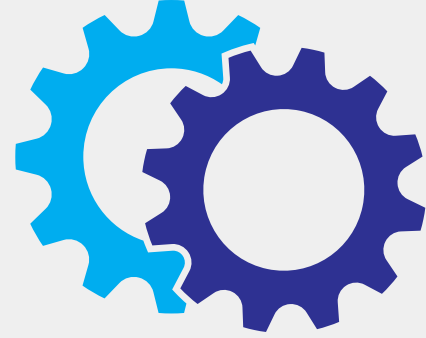
#### 4. Mentor

To provide instruction and mentoring in managing a team, learning how to fundraise and work with local businesses

#### 5. Engage

To directly engage in and to provide facilities for others to engage in the promotion of robotics, engineering, programming, software design and team events.





# Business Activities

Business Activity	Description	Program Levels
Events	Our organization was part of 11 events.	All levels
Community outreach	Our organization was part of attending 4 community events	High school and middle school
Dontations	We supported 4 programs of robotics levels	All levels

# Timeline



Jan-April



## High School Programs

We start the high school level program and attend events.



May-July



## Summer, training, outreach

We start doing community events, training and outreach.



Aug-Dec

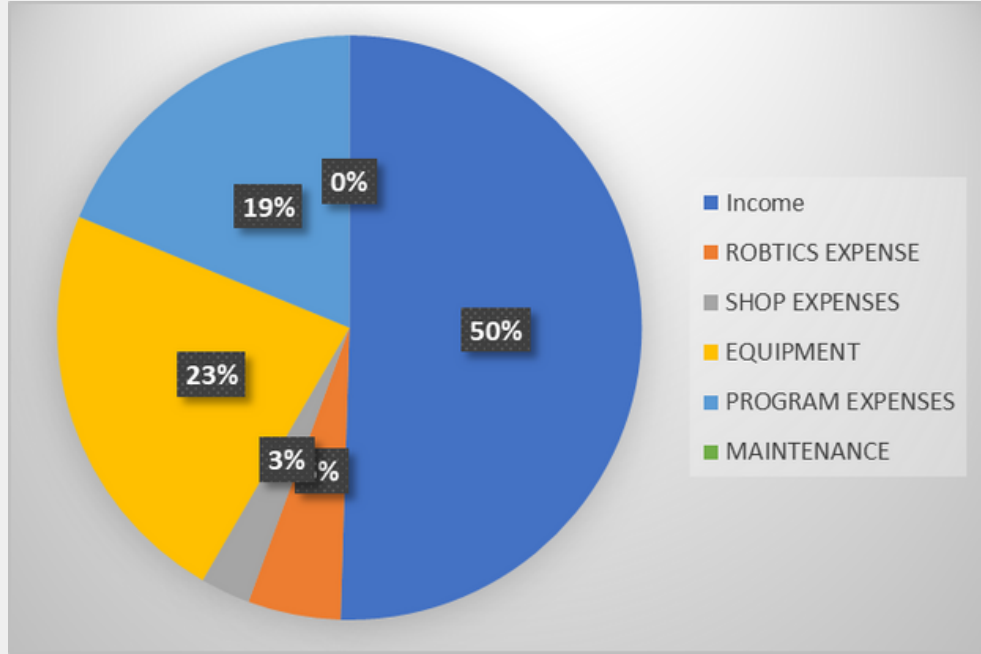


## Elementary and Junior High Programs

The elementary and junior high programs start and attend events.

# Budget

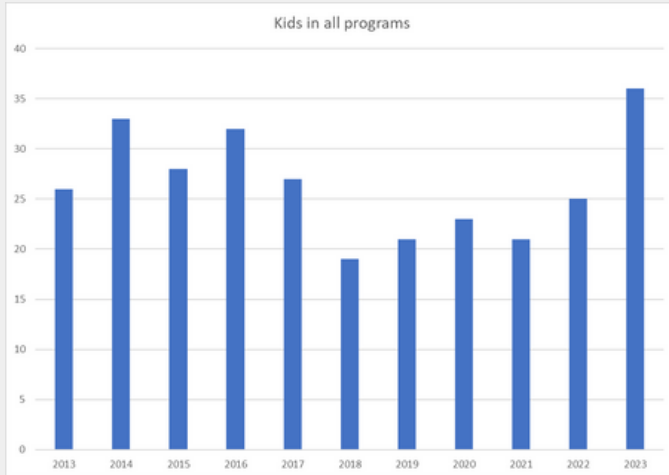
Our program focuses on supplies and product to engage and educate youth about STEM. The supplies and expenses to provide these services are expensive. We rely on donations from sponsors, individuals and grants to help out program.



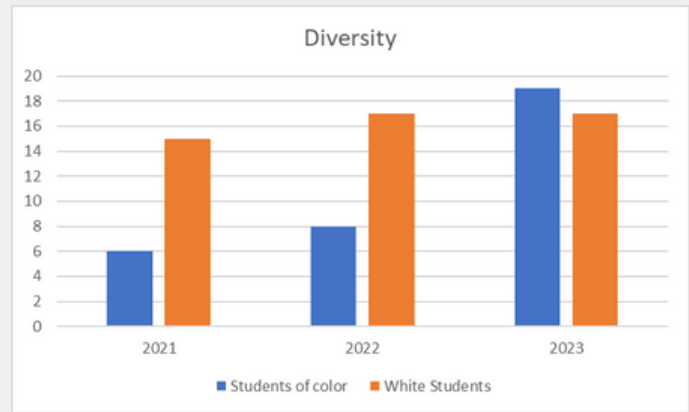
INCOME				ROBTICS EXPENSE			
	BUDGET	ACTUAL	DIFFERENCE		BUDGET	ACTUAL	DIFFERENCE
Nearra Consulting	\$ 13,000.00	\$ 42,500.00	\$ 29,500.00	Motors	\$ 2,200.00	\$ -	\$ 44.00
Intuitive Grant	\$ 1,200.00	\$ 1,200.00	\$ -	Controllers	\$ -	\$ -	\$ -
Lockheed Martin	\$ 2,500.00	\$ 7,500.00	\$ 5,000.00	Sensors	\$ 3,500.00	\$ 4,219.71	\$ (719.71)
Mountain West Farm bueru	\$ -	\$ -	\$ -	Cameras	\$ 1,200.00	\$ 808.35	\$ 391.65
Insurance	\$ 2,500.00	\$ 2,500.00	\$ -	Wiring	\$ 600.00	\$ 432.22	\$ 167.78
Rev Robotics	\$ -	\$ -	\$ -				
Haas Foundation	\$ -	\$ -	\$ -				
<b>Total</b>	<b>\$ 19,200.00</b>	<b>\$ 53,700.00</b>	<b>\$ 34,500.00</b>	<b>Total</b>	<b>\$ 5,460.28</b>	<b>\$ -</b>	<b>\$ (116.28)</b>
SHOP EXPENSES				EQUIPMENT			
	BUDGET	ACTUAL	DIFFERENCE		BUDGET	ACTUAL	DIFFERENCE
Metal	\$ 2,500.00	\$ 2,334.00	\$ (166.00)	Laser Cutter	\$ 7,500.00	\$ 7,836.00	\$ 336.00
Nuts/Bolts	\$ 500.00	\$ 233.44	\$ (266.56)	Markforged 3D printer	\$ 15,000.00	\$ 16,436.20	\$ 1,436.20
Rivots	\$ 400.00	\$ 122.33	\$ (277.67)	Pursa 3D Printer	\$ 2,500.00	\$ -	\$ (2,500.00)
Shop hand tools	\$ 500.00	\$ -	\$ (500.00)				
Wood supplies	\$ 600.00	\$ -	\$ (600.00)				
Machine Bits	\$ 300.00	\$ 243.22	\$ (56.78)				
<b>Total</b>	<b>\$ 4,800.00</b>	<b>\$ 2,932.99</b>	<b>\$ (1,867.01)</b>	<b>Total</b>	<b>\$ 25,000.00</b>	<b>\$ 24,272.20</b>	<b>\$ (727.80)</b>
PROGRAM EXPENSES				MAINTENANCE			
	BUDGET	ACTUAL	DIFFERENCE		BUDGET	ACTUAL	DIFFERENCE
Program Registrations	\$ 20,000.00	\$ 20,000.00	\$ 555.00	Machine Coolent	\$ 300.00	\$ -	\$ 200.00
			\$ -	Belts/blades	\$ 150.00	\$ -	\$ 150.00

# Findings

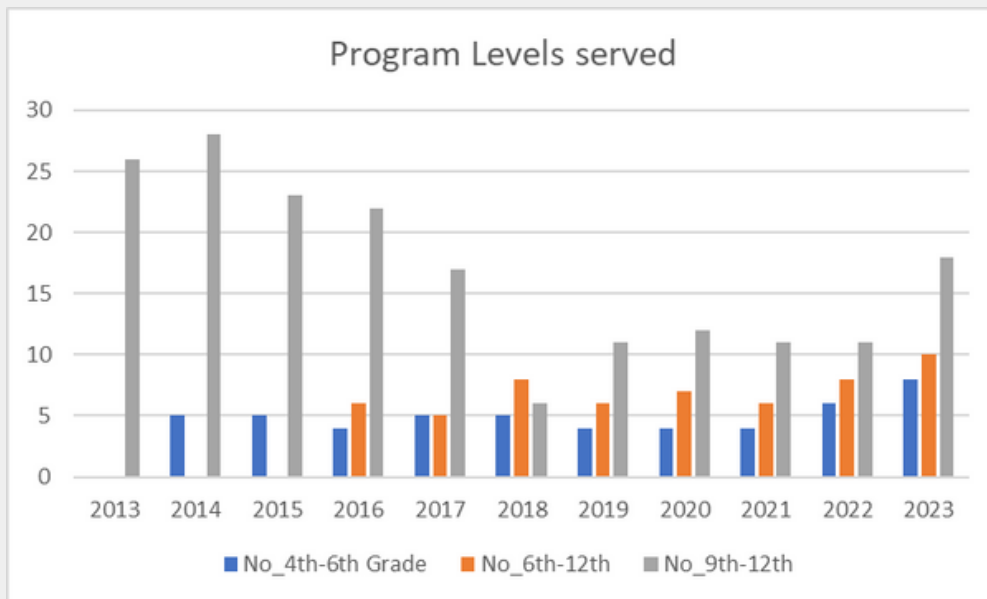
1. We had an increase number of students participating. We also project that for 2023 to have an additional increase in participation.



2. We had an increase number of diverse members and project to have an increase in the number of students for 2023.

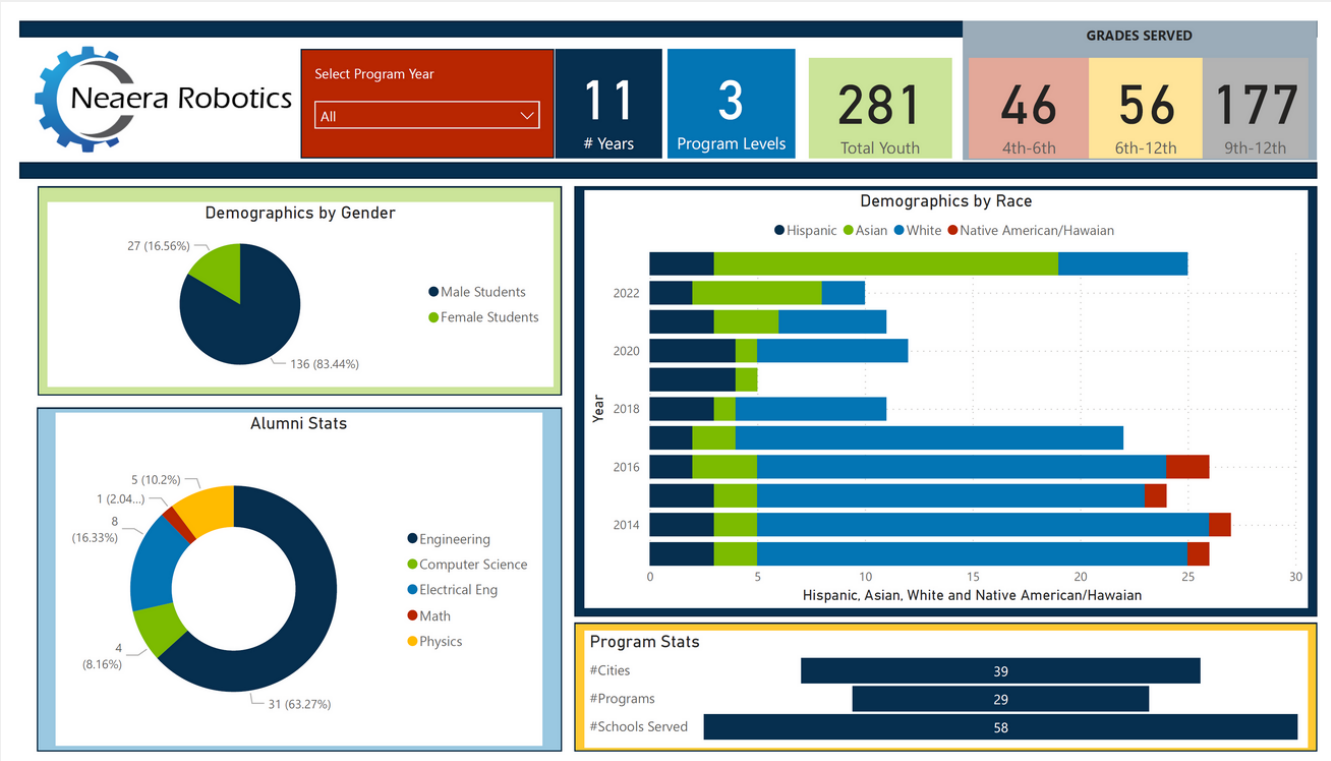


3. We had a increase in total grade levels served in all 3 programs. We project for 2023 to increase even more.



# Conclusion

Our program is making an impact on students from 4th to 12th grade. These results are from the past 10 years. We are reaching over 8 different cities in Colorado. We are proud of the student that graduate from our program and are excited to see most are perusing engineering and STEM.



## Contact Us

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Our program is free to any and all students from any city, school or knowledge. We aim to provide access to all students, equally.