



GRANT REPORT  
FRC Team 3291  
May 31, 2024

Team 3291 Au Pirates

1. *The goal(s) of the project*

*Our focus is on all of them because we are striving to have better diversity on our team. Although a little bit less than half of our team are people of color, this does not represent our school demographics. There were over 50% people of color last year on the Park Center Robotics 3291, but there was a decrease of diversity due to lack of funding and resources, not having many people aware or interested in Robotics. There is approximately 85% people of color within Park Center, having the other 15% identifying as "White." This also applies to our team being 50% female and 50% males, but our numbers went down to 80% male and 20% females. We see it as our mission to make Robotics exclusive to all people in our community.*

*In order to expand our program we must get students and families to realize that the hidden room in the side hallway is full of great equipment and better people. As a group of seniors wandered in yesterday asking what happens in "this room" (aka the engineering lab) they were surprised to hear that we offer a variety of engineering and computer science classes at our site. The students that take our CTE courses in technology education, business, education, etc are also the ones that find use for their interests and skills in robotics and vice versa. The first step to getting students to see themselves in these fields is to show that the work that we are already doing and*

*how they can be part of that by getting them in the door and building community across the student body.*

## *2. How you used the funds*

*Expenditures to date have been to buy the nightlights and print some color brochures for the clubs. The total of that includes the \$780 in acrylic and stand purchases and some color copies which will be invoiced to our account through the school charging system. We plan to utilize the remainder in the fall of 2024 when students are back in the building and the groups reconvene. If we are not allowed to carry those funds into the fall, we can return the unspent funds.*

## *3. Outcome and impact of the project on your team/school/community*

*So far we have been in contact with three student groups and had two of them come through the lab for test runs. The Black Student Union, Asian Club, and PRISM have been really supportive of collaboration and their advisors have been really supportive of getting their students additional exposure to engineering, STEM, and robotics. Equipment breakdown requiring ordering of several new parts for our CNC laser delayed getting students through the lab in a production and social manner but we are close to having repairs done and will have them done by fall to complete the quest during the early school year. Although moving it to the fall was not the plan, the advantages are that it will get our current students into our lab and interacting with the equipment both before FRC season and before course registration in January. We know that our CTE and FIRST teams work hand in hand to support each other.*

*Bringing the smaller test clubs through the space let us know that we also were in need of better written procedures, better software for our student machine operators, and better communication - these are all things that we will carry into the fall with the continuation of this project. We were able to work with our technology integration team to purchase updated software and will be excited to be able to carry out*

*this project in the fall with updated laptops that our CTE department teachers allow us to access for robotics.*

#### *4. Any future plans*

*Due to equipment repairs and logistics learning curve points we were not able to get as many people through the lab as we wanted this year. Repair parts recently arrived and repairs are underway. Software has been updated by our CTE department, and new directions for participants and student facilitators have been written. We plan to continue into the fall when we can reach students before registration. We are also hoping to expand to a community ed type application as a fundraiser that will also raise awareness of our robotics and CTE programming.*

#### *5. Any photos/videos of your activities that were supported by the grant.*

*Although we were able to get some smaller practice groups in to work on this project before equipment repairs, we did not capture photos of them at this time. We look forward to a social media campaign when we launch the rest of the project in the fall and hope to co-develop hashtags with the other groups for shared social media posts.*

## Organizations to Target

- Asian Club
- Hmong Women's Group
- Hmong Boys Club
- PRISM
- Black Student Union
- Muslim Student Association
- Latinx club

## Items to Offer

- LED Sign                      Cost \$6 each [Amazon Lights](#)

## Estimated Costs

Make a table with costs

Group	Number of Members	Item Cost per Item	Cost per group	Snacks	Printing and misc costs	Total	Notes
PRISM	20	\$6.00	\$120.00	\$30.00	\$30	\$150.00	
Asian Club and Hmong Women's Group	40	\$6.00	\$240.00	\$60.00	\$60	\$300.00	
Latinx Circle	30	\$6.00	\$180.00	\$50.00	\$30	\$230.00	
Black Student Union	20	\$6.00	\$120.00	\$30.00	\$30	\$150.00	
Muslim Student Association	20	\$6.00	\$120.00	\$30.00	\$30	\$150.00	
Total	130		\$780.00	\$200.00	\$200	\$1180.00	