General Information

Grant Number	923
Project Title	Unified Robotics
Please select the **MAIN** curriculum area your grant addresses.	Special Education
Does your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)	○ **No** ◉ **Yes**
Primary Contact Information	
First Name	Lynn
Email	lynn.klodzinski@allenisd.org
Last Name	Klodzinski
Phone Number	972-272-0400
Campus	Allen High School
Main Subject	Special Education
Grade(s)	10
I have co-applicants.	☐
Social Media	
Please provide your work-related social media contact information.	
Facebook	
Twitter	
Other (please specify)	

Describe details of the project

Grant Number	923
Campus/Student Information	
Your campus:	Allen High School
Will other campus' be involved/impacted by this grant?	◉ **No** ○ **Yes**
Your grade(s):	10
Will other grades be involved/impacted?	○ **No** ◉ **Yes**
Please select all grades that will be involved/impacted by the grant.	11
Project Purpose	
What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students. (500 words or less.)	
We have started a Robotics Club at Allen High School that pairs students from our Special Education department with peer coaches. This is the first club that allows our Special Education students to have an extracurricular club that meets after the school day. We are patterned after the program that was started in Seattle, Washington several years ago. We use the First Lego League robot kits and build and program robots to complete tasks in the Lego League game format. We also compete as teams in the Sumo Bot format. We grew from 9 Special Education students the first year to 17 students this year. We have 4 kits and need 4 more to handle the increase in students.	
Project Description	

How will the project or program be implemented? Describe activities and tasks.
Who is the target population and in what ways will they benefit? (500 words or less.)

The program is an extracurricular club that meets weekly for 10 weeks during the fall. We conclude our season with a Competition Day. This year we registered as a Unified Robotics Team with the Texas Special Olympics. We are the first Robotics team in the state but hope to help other schools establish this program. We have been given the opportunity to travel to the World Special Olympics competition in July as a demonstration team. We are exploring the possibility of taking a team in July.

What happens in club:

1. Peer coaches help guide the teams as they follow a manual to build their robot from a kit. Once the robot is built, the students learn to "drive" the robot and learn basic steps for programming actions that the robot can do independently.

2.Teams are organized and must select a team name, mascot, color, and develop a team cheer. Teams also make spirit buttons for their team and pass them out at the Competition day. Teams must also research the background of one of the tasks. (For example, in the Animal Helpers game format, the robot had to interact with the game elements to allow a guide dog to help a mancross a street safely. Our students learned about guide and service dogs.)

3. Competition Day is a full morning of teams competing and working their way through the brackets. Parents and friends are invited and the morning concludes with a medal ceremony. Good sportsmanship is emphasized throughout the program.

Project Summary

Provide a brief summary for use on the Foundation's website and social media. (2-3 brief sentences)

Allen High School students, supported by peer coaches, explore and learn about the world of robotics in the Unified Robotics Club. The first Special Olympics Robotics team in Texas hopes to help other school establish teams and expand this area of interest and competition.

Allen ISD Goals/ TEKS

Which Allen ISD goals/TEKS does this project support? Provide only two or three examples.

1. The use of technology in building and programing (science and CTE)
2. Developing knowledge through research, and then organizing a presentation slideshow. (English)

Measurement

What specific measurements will be used to evaluate the effectiveness of the project? (500 words or less)

The weekly goals of developing the robot and learning to drive/program the robot will lead to skills for the Competition Day. The research presentation will be presented at the Competition Day, just like the written work is presented for the other teams going to competitions. The team spirit buttons will reflect the teams' decisions on team name, color, and mascot. The peer coaches will be asked to evaluate the program and their feedback will drive improvements in the next year. Getting to involve friends and family on competition day is priceless.

Teaching Methods

What teaching methods will be used to implement this project? (500 words or less.)

1. Peer to peer learning: this program exists because of the peer coaches providing support.
2. The goals for each week will be set out and provided to the peer coaches, who are supported by teachers in the club.
3. The expectations for the team will include robot building/programing/driving, team building activities, and research/presentation.

Timeline

What is the project timeline and the date of implementation?

The club begins in mid-September and runs for 10 weeks. If we go to the World Games in Seattle, there would be additional practices in the spring and early summer.

Curriculum/System Support

Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.

This enhances the offerings for our Special Education students. The grant would provide more kits, allowing smaller teams and giving students more hands on time with the robots. We double our size this year without being able to add more kits, so there was a lot of waiting time (for building turns and driving turns) and more kits would help alleviate this wait time.

Budget details

Budget Details ** All awarded funds will be available by September of the next school year.

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
Lego league kit	Technology	500.0	4	2000.0
even one kit would be appreciated	Please choose one			
4 kits would be the dream fulfillment	Please choose one			

BUDGET TOTAL 2,000

Are there any additional funds available for this grant? Campus or District Funds? PTA funds? Let us know if you have or will be seeking funds from other sources to help with this project.

Additional funds? (●) No ( ) Yes

Signature page and principal contact

Principal Approval Required

Please provide the Name and Email of your PRINCIPAL. (Not your name)

First Name	Last Name	Email Address(Completed)
Brian	Neely	brian.neely@allenisd.org

Applicant Signature

By entering my name below I signify that I understand that if I move within the District and have written the grant myself, I may take the grant with me to my school (as long as it is appropriate for my classes). If I have written the grant as part of a team, I will leave the grant behind with the team. If I leave AISD, I will leave the grant with the school for which I wrote the grant. As a condition of this grant, I will complete an evaluation form provided by the Foundation.

Signature Lynn Klodzinski

Date 02/04/2018

Principal's approval form

I certify that this would be a good use of funds for our school and this grant supports the district goals and/or our campus improvement plans. **Do NOT include any identifiers, such as: campus name, your name, teachers name or mascot **

No actions possible.

Comments

This enhances the offerings for our Special Education students. The grant would provide more kits, allowing smaller teams and giving students more hands on time with the robots. We double our size this year without being able to add more kits, so there was a lot of waiting time (for building turns and driving turns) and more kits would help alleviate this wait time.

History and final disposition of application

State Change History

State Change	****** 02/04/2018 21:57:48 Submitted
State Change	****** 02/05/2018 08:27:24 Accepted

Grant Status

Grant Awarded ( ) Yes

No

Award Amount