



Foundation For Allen Schools Grant Application 2021

Scholarship Fund Amount: \$0

Let's get to know you!

Please provide your work-related Twitter contact information.	
Please provide your work-related Facebook contact information.	
I have co-applicants:	No
Best phone number to reach you at:	+12142630602
Campus	Ereckson Middle School
Grade(s)	7;8

Additional Co-Applicants

Campus	Ereckson Middle School
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Project Information

Are there any additional funds available for this grant?	No
Will other grades be involved/impacted?	No
Will other campuses be involved/impacted?	No
Does your grant have a technology component?	No
Please select the MAIN curriculum area your grant addresses.	Science / STEAM
How many students will be involved in this	

grant?	500
Name of Grant	Ereckson BEST Robotics Team GOES PRO

Project Information Continued

<p>Provide a brief summary for use on the Foundation's website and social media.</p>	<p>BEST Robotics GOES PRO. Ereckson Robotics is using the latest Go Pro camera to enhance their robot production and team video production.</p>
<p>How will the project or program be implemented? Describe activities and tasks. Who is the target population and in what ways will they benefit?</p>	<p>The targeted population is always the students. The past year one of our team members was a 6th grader. This student made the video that won an award at the state robotics competition. BEST robotics is very unique. It is not just building robots but focuses on many cross curricular activities such as Math, engineering, public speaking, video production, art, and more. We are therefore able to attract so many more students that normally would not be interested in building or programming robots. the students will use this GO PRO to capture the team working, interviewing the team and adding these interviews for our website, so our website team will then use the videos, the fabrication team will take video of the robot functioning and use it for their presentations and engineering notebook. It will be used on a daily basis and the video and photos taken from the camera will be uploaded, edited and used by the various teams within the BEST club.</p>
<p>What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students.</p>	<p>Ereckson BEST robotics Team received 1st place at the Texas BEST state robotics competition in December. The BEST robotics program has been focusing a lot more on the A in STEAM, the ARTS. This arts portion involved a student made, edited and produced video. Our team was totally virtual and with all this we still won 1st Place BEST award and 3rd place video award. This part of the BEST program is going to be on a larger scale in the future as so many students are getting involved with video production for engineering. Using video to market your product and team. The Ereckson BEST team needs better video equipment and through research we found that a GO PRO camera will allow us to capture</p>

	<p>our team in action and make really great videos while also doubling up on the fact that we can attach the GO PRO to the robot and see the robot from a different angle as well as live stream our competition. This adds another level to our program.</p>
<p>Which Allen ISD goals/TEKS does this project support? Please provide 2 examples.</p>	<p>Participation in the BEST robotics club helps promote to students how they can earn a high school diploma from Allen ISD with the recognized endorsement of Science, Technology, Engineering and Math (STEM). This leads students to consider taking robotics related courses in high school (i.e. Engineering Design, Manufacturing Robotics, Applied Engineering, and Scientific Research) Also, participation in BEST robotics helps to meet the criteria set forth in Texas Education Code (Chapter 130 of the Texas Essential Knowledge and Skills framework under Career and Technical Education -TA1STC - Investigating Careers in STEM) allowing students to consider the possibility of pursuing a career in robotics or technology related field.</p>
<p>Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.</p>	<p>Taken in part from AISD's belief statements... We believe every child deserves the highest quality education... ...through a class or a club. The nature of our public schools is to provide a free and quality education to every student. In offering the BEST robotics club to our students, we are affording them a learning opportunity to explore in depth what their techy-interests might lead to. Allen ISD offers so many programs and this is just one program for these gifted students in this area. Bill Gates once said "don't laugh at nerds, you will be working for them one day." I have seen so many of these students graduate Allen High School and enter college as engineering students, medical students, biologists, and so much more. I have robotics students that are now engineers in big companies like Boeing, TI, and Raytheon. We just built a large STEAM center to promote the sciences and robotics. Evey one of our robotics programs and engineering class supports the goals and supported by the goals of Allen ISD.</p>
	<p>The Go PRO camera will be purchased in August at the beginning of the new school</p>

<p>What is the project timeline and the date of implementation?</p>	<p>year and right before the BEST season begins. Students will be trained on the Go PRO camera right away, and we will begin using it to make a pre-season video of our team and then through the entire year. We will use it to make promotional videos to recruit new students for the following year. This will be an ongoing project for many years to come.</p>
<p>What teaching methods will be used to implement this project?</p>	<p>BEST robotics is hands on, informal and very structured education at its finest. Although there is a structure and very strict safety protocols we must follow, students can produce whatever they want and they can use their innovative skills. My role is just as a mentor. I am not a specialist or highly trained in videography or even engineering, but I know how to motivate my students to do their best. AND that they do. When students are given the opportunity to have ownership of their work they can produce amazing things.</p>
<p>What specific measurements will be used to evaluate the effectiveness of the project?</p>	<p>There isn't a physical rubric that will be used to evaluate the effectiveness. You can see that Ereckson BEST robotics has been educating students since 2004 when the school opened. We have been to the state competition every year, one national competition and received many awards. It is not these awards that makes us great, but the number of students going through our program , moving onto the HS robotics program and entering STEM and STEAM related fields. Just this past season we won the Texas BEST state competition and we also received an award for our video production. The 6th grade student that designed the video now wants to study engineering. These are the goals we want to strive for.</p>

Project Budget

<p>Total Grant Budget Requested:</p>	<p>500.00</p>
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Almost done!

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Project Budget Set Number 1

Question	Answer
Item Type	General Supplies
List item to be purchased under item category:	GO PRO 9
Unit Cost	500
Quantity	1
Total cost of items in this category:	500.00