



Foundation For Allen Schools Grant Application

Scholarship Fund Amount: \$0

Application #: AP204317

Applicant First Name: Karri

Applicant Last Name: Decker

Applicant Email Address: karri.decker@allenisd.org

Gender:

Cell Phone #:

High School:

Post Secondary School:

Application Status: Submitted

Application Questions and Answer

Question	Answer
Preferred name/name that you go by:	Karri
Best phone number to reach you at:	+12147972783
Campus	Cheatham Elementary School
Grade(s)	3;4;5;6
I have co-applicants:	Yes
Please provide your work-related Facebook contact information.	
Please provide your work-related Twitter contact information.	@DeckerAIMClass
Name of Grant	Big CODE from Mini Spheros
Please select the MAIN curriculum area your grant addresses.	Science / STEAM

Does your grant have a technology component?	No
Will other campuses be involved/impacted?	No
Will other grades be involved/impacted?	Yes
How many students will be involved in this grant?	400
Are there any additional funds available for this grant?	No
<p>What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students.</p>	<p>Cheatham's Robotics Club is currently in its third year and the interest from our 4th, 5th, and 6th grade students is increasing. With the growing interest, the need for more devices has become what limits the amount of students able to participate, as well as expanding with new ways to add coding into our clubs. Increasing the amount of robots we have would allow for more students to participate and build an interest in the coding field. The club also provides students an opportunity to explore robotics before they get to middle school. We also have a desire to help classroom teachers implement these robots to enrich daily lessons and promote STEM in the classroom.</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 club members will meet once a week on Monday or Thursday, based on the club they have chosen to join. We already have a Robotics Club, and plan to add a Girls Coding Club next year. The members meet after school for an hour to work on the challenge for their chosen robot(s). They have 7 weeks to design, build, and code their robot before presenting their project. Some of the challenges our students are working on right now include building the basic driver for the LEGO Mindstorm, designing and building a maze, and then coding the robot to go through the maze and perform a variety for tasks inside the maze. Plans are to add mini Spheros to help students learn basic coding skills. All items used in clubs can also be checked out to teachers during the day to be implemented into classroom lessons. The plan is to also help 3rd,4th,5th, and 6th grade classroom teachers learn how to add these robots to help with</p>

	differentiated and extension lessons to enrich student learning.
Provide a brief summary for use on the Foundation's website and social media.	Cheatham's Robotics/ Coding Clubs meet every week after school to work in collaborative groups to complete different challenges with an assortment of robotics. After designing, building, and programming, the club members will present their robot challenge to their peers.
Which Allen ISD goals/TEKS does this project support? Please provide 2 or 3 examples.	These clubs supports Allen ISD's Mission statement to cultivate innovation in education that empowers every learner to realize his or her full potential. Cheatham's Robotics club and Coding Clubs also supports the TEKS from Technology Applications 126.6.b.1- Creativity and innovation. The student uses creative thinking and innovative processes to construct knowledge and develop digital products.
What specific measurements will be used to evaluate the effectiveness of the project?	I will measure the effectiveness of Cheatham's Robotics and Coding Clubs though weekly observations of the club member's progress in the given challenge, the presentation of their final project, and through the increased interest in the clubs each semester.
What teaching methods will be used to implement this project?	At the beginning of each challenge, I provide direct instruction for the robot they are using. After the direct instruction, they begin working on their different challenges in collaborative groups. While they are working in their groups, I assist and monitor their progress as they work on completing their challenges.
What is the project timeline and the date of implementation?	Robotics and Coding clubs will start in September of 2020 and continue until the end of the school year. Depending on the complexity of the challenge, students will have 7 weeks to complete their challenge. At the end of the challenge period, the students will have an opportunity to present their robots to their peers. Spring clubs will start in early February and continue through early April.
Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.	Cheatham's Robotics and Coding Clubs supports Allen ISD's STEM curriculum. It also gives our students an opportunity to explore robotics and prepare them for the STEM and robotics courses in middle and high school.

Total Grant Budget Requested:	479.84
	<i>K. Ann Dukes</i>

Additional Co-Applicants Set Number 1

Question	Answer
First Name	Courtney
Last Name	Knight
Email	Courtney.Knight@allenisd.org
Campus	Cheatham Elementary School
Grade:	3;4;5;6

Project Budget Set Number 1

Question	Answer
Item Type	Instructional Supplies or Resources
List item to be purchased under item category:	Sphero Mini (Blue) App-Enabled Programmable Robot Ball
Unit Cost	49.99
Quantity	8
Total cost of items in this category:	399.92

Project Budget Set Number 2

Question	Answer
Item Type	Instructional Supplies or Resources
List item to be purchased under item category:	Aenllosi Organizer Storage Case for Sphero Mini The App-Controlled Robot Ball
Unit Cost	9.99
Quantity	8
Total cost of items in this category:	79.92

