



## Foundation For Allen Schools Grant Application

**Scholarship Fund Amount: \$0**

Application #: AP139456

Applicant First Name: Shawna

Applicant Last Name: Wheeler

Applicant Email Address: shawna.wheeler@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:	Shawna
Best phone number to reach you at:	+14692586292
Campus	Norton Elementary School
Grade(s)	5
I have co-applicants:	No
Please provide your work-related Facebook contact information.	
Please provide your work-related Twitter contact information.	ScienceChicTX @MrsSWheeler
Name of Grant	Classroom Roboto
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?	No
How many students will be involved in this grant?	60
Are there any additional funds available for this grant?	No
What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students.	Learning through play has proven to be one of the most effective teaching methods. I want to introduce my students to educational STEM toys that will foster their curiosities, keeps them engaged and entertained and offer a fun and educational way to play and learn. As they are working through critical thinking skills and working on the engineering process they are also building social bonds, leadership skills, and learning to work together as a team. I look forward to seeing how my students interact with these robots and the strengths that each student possesses. Working with these robots could spark an interest for a future career that they never knew they would like.
How will the project or program be implemented? Describe activities and tasks. Who is the target population and in what ways will they benefit?	I will begin using the robots first in my enrichment group. I see them four days a week for 40 minutes. First, we will complete a research project on robots. Next, we'll move into creating the various robots. After they are created they will present it to the class and we can discuss future careers. What's cool about the robots I'm purchasing is that each one can make various models as well as use solar power and remote controls. We could even further this by having them create the robots then design a force investigation it has to perform. Another activity we can do is to come up with a robot they'd like to invent that would solve a problem/job they have. If all goes well, I'd like to have a rotation with all Castle (intervention group time) groups to get a chance to work with them.
Provide a brief summary for use on the Foundation's website and social media.	Learning through play is vital for developing brains. Robotics build leaders, teamwork, and prepare them for future careers.

Which Allen ISD goals/TEKS does this project support? Please provide 2 or 3 examples.	AISD Goals: Technology and STEAM TEKS: 5.3C TSW draw or develop a model that represents how something works or looks that cannot be seen such as how a soda dispensing machine works. 5.3D TSW connect grade level appropriate science concepts with the history of science SCIENCE CAREERS, and contributions of scientists. 5.6a TSW explore the uses of energy, including mechanical, electrical, light, sound, and thermal. 5.6d TSW design an experiment that tests the effect of force on an object.
What specific measurements will be used to evaluate the effectiveness of the project?	Students teamwork skills and explanations as they are building the robots.
What teaching methods will be used to implement this project?	We'll have some individual work as they research robots. Small group as they work through the various robots. Whole group as they present to the class and I follow-up with careers that go along with robotics.
What is the project timeline and the date of implementation?	Can begin as soon as I have the robots.
Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.	It offers more hands-on opportunities for students to work with STEAM related activities and prepare them for the future.
Total Grant Budget Requested:	341.91
	

### Project Budget Set Number 1

Question	Answer
Item Type	Instructional Supplies or Resources
List item to be purchased under item category:	Various Robots on Amazon: <a href="https://www.amazon.com/hz/wishlist/ls/39JNP7XF5FHM7?ref_=wl_share">https://www.amazon.com/hz/wishlist/ls/39JNP7XF5FHM7?ref_=wl_share</a>
Unit Cost	341.91
Quantity	1
Total cost of items in this category:	341.91