



## 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.	@TeriStepanic
Please provide your work-related Facebook contact information.	
I have co-applicants:	No
Best phone number to reach you at:	+12145347239
Campus	Boon Elementary School
Grade(s)	4

### Additional Co-Applicants

Campus	Boon Elementary 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?	100
Name of Grant	4th Grade Circuits

**Project Information Continued**

Provide a brief summary for use on the Foundation's website and social media.	Students learn all about circuits with hands-on experiences and extend their thinking through problem solving with circuit mazes.
How will the project or program be implemented? Describe activities and tasks. Who is the target population and in what ways will they benefit?	Fourth grade teachers will use the circuits in their Matter & Energy Unit. Students will explore the circuits and use them to demonstrate that electricity travels in a closed path. The Circuit Mazes will allow for deeper thinking calling on students' critical thinking skills to solve different challenges. These will be used to extend student learning.
What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students.	In fourth grade, students are expected to demonstrate that electricity travels in a closed path, creating an electrical circuit. The best way for students to learn this is by building and manipulating circuits through hands on experiences. This grant will provide 4th grade teachers with circuits for their students to use when learning this standard as well as provide an opportunity for students to extend their learning with circuit mazes.
Which Allen ISD goals/TEKS does this project support? Please provide 2 examples.	4.6(C) demonstrate that electricity travels in a closed path, creating an electrical circuit 4.2(A) plan and implement descriptive investigations, including asking well defined questions, making inferences, and selecting and using appropriate equipment or technology to answer his/her questions
Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.	A big part of Allen ISD Science is that "We Do Science". TEA guidelines also call for 50% of science instruction in fourth grade to be embedded in laboratory investigations. There is no better way for students to deepen their understanding of circuits than through the hands on investigation that these circuits will provide.
What is the project timeline and the date of implementation?	The circuit supplies will be ordered upon receiving the funds and implemented in the 2021 school year. These can be used in

following years as well.

What teaching methods will be used to implement this project?

The circuits will be used in a variety of ways, but mostly through student use individually, in collaborative groups, or in partners. Teachers can also use them in small group instruction to work with students to meet their learning needs. The circuit mazes will be used for enrichment.

What specific measurements will be used to evaluate the effectiveness of the project?

Fourth grade teachers will use informal observations when using the circuits with their students to evaluate the effectiveness of student engagement and learning. Formative and summative assessments will follow to evaluate student competency with the standard.

### Project Budget

Total Grant Budget Requested:	612.00
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### Almost done!



### Project Budget Set Number 1

Question	Answer
Item Type	Instructional Supplies or Resources
List item to be purchased under item category:	hand2mind Snap Circuits Mini Kits Classpack, Set of 5
Unit Cost	100
Quantity	3
Total cost of items in this category:	300.00

### Project Budget Set Number 2

<b>Question</b>	<b>Answer</b>
Item Type	Instructional Supplies or Resources
List item to be purchased under item category:	Circuit Board Electricity Kit
Unit Cost	10
Quantity	12
Total cost of items in this category:	120.00

**Project Budget Set Number 3**

<b>Question</b>	<b>Answer</b>
Item Type	Instructional Supplies or Resources
List item to be purchased under item category:	Thinkfun Circuit Maze
Unit Cost	32
Quantity	6
Total cost of items in this category:	192.00