



Foundation For Allen Schools Grant Application

Scholarship Fund Amount: \$0

Application #: AP225049

Applicant First Name: Breanna

Applicant Last Name: Daniels

Applicant Email Address: breanna.daniels@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:	Breanna
Best phone number to reach you at:	+12144956750
Campus	Bolin Elementary School
Grade(s)	4
I have co-applicants:	Yes
Please provide your work-related Facebook contact information.	
Please provide your work-related Twitter contact information.	@blazerdaniels
Name of Grant	Circuit Mazes
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?	88
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.	The students will get to experience circuits in a unique way that also involves the use of logic and problem solving skills. Students can work at their own pace through the circuit challenges which allows for differentiated challenges.
How will the project or program be implemented? Describe activities and tasks. Who is the target population and in what ways will they benefit?	We will use the circuit mazes during our energy unit in science as well as during STEAM hour. All fourth graders will get to experience the circuit mazes in small groups during our energy unit. Then, students who participate in STEAM hour will get to dive deeper into circuits by completing more difficult, exciting challenges.
Provide a brief summary for use on the Foundation's website and social media.	The circuit mazes will allow students to create complete circuits in a challenging, exciting, and open-ended ways.
Which Allen ISD goals/TEKS does this project support? Please provide 2 or 3 examples.	Science 4.3(A)-analyze, evaluate and critique scientific explanations Science 4.6(C)-demonstrate that electricity travels in a closed, creating an electrical circuit
What specific measurements will be used to evaluate the effectiveness of the project?	-Informal observations of whether or not students can create complete circuits -Problem solving questions about circuits that require them to use their schema from the circuit mazes
What teaching methods will be used to implement this project?	We will use this as an introduction to circuits to let them just experiment with them without much prior schema. Then, we will watch videos, have whole-class discussions, draw pictures, and practice creating simple complete circuits. After that, we will come back to the circuit mazes to apply our learning on a higher level. The circuit mazes will be used in

	stations, as a lab, and in small groups in STEAM hour.
What is the project timeline and the date of implementation?	2020-2021 school year and every year after
Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.	This will give a much deeper understanding of circuits that we cannot give the students with the materials we currently have. It will also provide a great activity for STEAM Hour that directly relates to our TEKS. All students will get to experience circuits on a level that is appropriate to them.
Total Grant Budget Requested:	232
	

Additional Co-Applicants Set Number 1

Question	Answer
First Name	Sonja
Last Name	Louis
Email	sonja.louis@allenisd.org
Campus	Bolin Elementary School
Grade:	4

Project Budget Set Number 1

Question	Answer
Item Type	General Supplies
List item to be purchased under item category:	Think Fun Circuit Maze
Unit Cost	29.00
Quantity	8
Total cost of items in this category:	232