

Foundation For Allen Schools Grant Application

Let's get to know you!

First Name	Abigail
Last Name	Dickerson
Preferred name/name that you go by:	Abigail
Email Address	abigail.dickerson@allenisd.org
Best phone number to reach you at:	12145925477
Campus	Chandler Elementary School
Grade(s)	Kindergarten
I have co-applicants:	Yes
Please provide your work-related Facebook contact information.	Not Answered
Please provide your work-related Twitter contact information.	Not Answered

Additional Co-Applicants Set Number 1

First Name	Taylor
Last Name	Glade
Email	taylor.glade@allenisd.org
Campus	Chandler Elementary School
Grade:	Kindergarten

Additional Co-Applicants Set Number 2

First Name	Emily
Last Name	Blasko
Email	emily.blasko@allenisd.org
Campus	Chandler Elementary School
Grade:	Kindergarten

Project Information

Name of Grant	The Possibilities are STEMless
Please select the MAIN curriculum area your grant addresses.	Science / STEAM
Does your grant have a technology component?	No
Does your grant have a need or requirement that will change, alter, or require any maintenance to Allen ISD Properties?	No

Will other campuses be involved/impacted?	No
Will other grades be involved/impacted?	No
How many students will be involved in this grant?	96
Are there any additional funds available for this grant?	No

Project Information Continued

<p>What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students.</p>	<p>It is so rewarding to see how engaged and excited our students are when they are able to learn through exploration! When we are able to empower their learning by putting tools and materials in their hands, their ability to grasp educational concepts soars!! This grant would provide Chandler kindergarten students with hands-on and process-based experiences to heighten each child's interest and achievement in the areas of science, engineering, writing, and math. By providing them these tools and materials, we empower students to literally "take learning into their own hands". The result is they are motivated to learn the content more in-depth through personal engagement. Chandler Elementary serves approximately 88 kindergarten students in four classrooms, and teachers often have to hunt for or borrow materials to give students the opportunity to experience STEM activities. These materials will allow current and thousands of future learners the chance to build a stronger foundation and spark lifelong excitement in these content areas. We can't wait to see the impact these materials will have on our learners as they begin to realize that as they are creating and exploring the possibilities are STEMless!!</p>
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How will the project or program be implemented?
Describe activities and tasks. Who is the target population and in what ways will they benefit?

Having STEM materials and tools in the hands of our students will allow for more science, engineering, writing, and math explorations. It will encourage richer content lessons across all subject-areas and enable us to provide more frequent STEM-based activities. The Writing Prompt Cards will allow students to begin putting their own experiences and creations into words and show them that the writing process correlates and deepens every area of learning. The Challenge cards will add a deeper level of engagement by guiding students to take their original structures to the next level. This will help to build confidence and awareness by showing that you can always continue to grow and build off your first idea as you learn new things. Dominoes will aid in a student's understanding of counting, subitizing, composing and decomposing numbers. Linking Cubes will support students in generating and comparing numbers, adding and subtracting, and nonstandard units of measure. Magnetic Building Shapes, Wooden Planks, and Foam Balls will add a deeper level of engagement to our Force and Motion unit as well as exploration during STEM activities. Pattern Blocks and Wooden Building Blocks will facilitate students in mastering content areas such as geometry, graphing, and sorting matter. Chandler Elementary has an increasingly diverse population. As their teachers, we desire that all of our students achieve at grade-level or higher. This will be attainable if we can provide current and future students with readily available materials that promote genuine learning and hands-on exploration. The non-consumable items we are seeking funding for will be used for years to come and will help put our students on a path of learning through investigation and experimentation.

Provide a brief summary for use on the Foundation's website and social media.

Every student should have the opportunity to know that their learning possibilities are STEMless! We strive to make sure that ALL Chandler kindergartener's have the opportunity to engage more thoroughly in STEM exploration. The STEM kits will spark excitement as well as build confidence in the areas of science, engineering, writing, and math.

<p>Which Allen ISD goals/TEKS does this project support? Please provide 2 examples.</p>	<p>The possibilities are STEMless supports the following process and content standards: K.2 Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. K.4 Scientific investigation and reasoning. The student uses age-appropriate tools and models to investigate the natural world. K.3(C) Explore that scientists investigate different things in the natural world and use tools to help in their investigations. K.1(A) Apply mathematics to problems arising in everyday life, society, and the workplace. K.1(C) Select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems. The possibilities are STEMless supports the following Allen ISD Goals: Students will experience challenging, creative, and collaborative learning opportunities. Technology will add value to the learning process by enhancing individualization and deepening learning. The students will be using a wide variety of materials to take charge of their own learning through hands-on activities. Each STEM box provides opportunities for students to encounter real-world problem solving skills and challenges them to continue to improve and adapt their original ideas. They will deepen their understanding and further reflect on their individual creations by putting their experiences into written form.</p>
<p>What specific measurements will be used to evaluate the effectiveness of the project?</p>	<p>*Teacher observation of student learning *Science journal entries *Progress monitoring assessments *Small group conferences with students *Formal and informal end of unit assessments.</p>
<p>What teaching methods will be used to implement this project?</p>	<p>"Education has but one main purpose--to prepare students for the real world...It is imperative that we provide ongoing, authentic learning opportunities to our students." ~ Steve Revington STEM experiences allow for both student-centered and student-directed learning. The requested materials will promote active participation during specific math and science units as well as STEM activities.</p>
<p>What is the project timeline and the date of implementation?</p>	<p>Materials will be used starting in the 2021-2022 school year. Since the majority are non-consumable, hundreds of future students will benefit in the years ahead. By having access to these additional materials there is more opportunity to sanitize and safely share these tools while still allowing our students the full STEM experience.</p>
<p>Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.</p>	<p>The possibilities are STEMless will provide the resources and tools to empower student exploration and learning. It will promote a deeper engagement with science and math content, empower students in self-directed learning, and foster a spirit of curiosity that will extend learning beyond the classroom.</p>

Project Budget

Total Grant Budget Requested:	1120.00
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Project Budget Set Number 1

Item Type	Instructional Supplies or Resources
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List item to be purchased under item category:	Hand 2 Mind: STEM Bins Comprehensive Kit, Set of 16 STEM Bins
Unit Cost	280
Quantity	4
Total cost of items in this category:	1120.00

NGB

First Name	Last Name	Email	NGB	Record	Letter
Bobbie	Allen	bobbie.allen@allenisd.org	RN233788	Name: Rec236159, Status: Submitted	Click on the 'Edit' button to replace this with your letter.

NGB Custom Questions and Answers

Rec236159

I certify that this would be a good use of funds for our school and this grant supports the district goals and/or our campus improvement plans. **Do NOT include any identifiers, such as: campus name, your name, teacher's name or mascot **	Approve
Please provide comments/feedback for the applicant:	approved

Almost done!

Not Available	
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