

## Foundation For Allen Schools Grant Application

### Let's get to know you!

First Name	Kristi
Last Name	Berry
Preferred name/name that you go by:	Kristi
Email Address	kristian.berry@allenisd.org
Best phone number to reach you at:	12145144626
Campus	Lindsey Elementary School;Preston Elementary School
Grade(s)	Kindergarten;1;2;3;4;5;6
I have co-applicants:	No
Please provide your work-related Facebook contact information.	Not Answered
Please provide your work-related Twitter contact information.	Not Answered

### Project Information

Name of Grant	Full STEAM Ahead!
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?	Yes
Will other grades be involved/impacted?	Yes
How many students will be involved in this grant?	1400
Are there any additional funds available for this grant?	Yes

### 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>STEAM gives the students Kinder through Sixth grade the opportunity to think critically and become problem solvers. It is imperative to give students, no matter how old they are, this opportunity within the math and science curriculum. I have noticed that the biggest need with teachers are the materials that are needed for these STEAM/ Engineering projects. They have to either ask parents or buy these materials or but the materials out of their own pockets so that students can have this hands on experience through the Engineering process. Not only that, teachers also spend time finding STEAM Activities that will be useful and work well with our Science/Math TEKS. Full STEAM Ahead will give the school a cart that will have not only materials that teachers will need, but task cards that will give them an opportunity to find different activities that align with their Math and/or Science TEKS.</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 materials will be purchased for both Lindsey and Preston Elementary. Each campus will be given their own cart with kindergarten through sixth grade level challenge cards and the materials that are needed within that STEAM challenge. The cart will be on wheels and can be delivered to different grade levels based on what that grade level needs. The students will be able to work in whole groups or in small group station settings to gain curiosity and build problem solving skills while engaging within the challenge. Students will make mistakes and learn from those mistakes throughout the challenge which will help with any problem solving skills that they need in math and science. The materials from this grant will be used for student engagement and the opportunity for critical thinking.</p>
<p>Provide a brief summary for use on the Foundation's website and social media.</p>	<p>Full STEAM Ahead! This mobile STEAM Cart will give teachers and students the opportunity to give their students an interactive experience when working with different STEAM Challenges. Students will be able to think critically, make mistakes, and problem solve from those mistakes. When using the STEAM Cart, teachers will have access to materials that are needed in multiple challenges that will give all students (K-6) the opportunity to engage all learners through an interactive lesson.</p>
<p>Which Allen ISD goals/TEKS does this project support? Please provide 2 examples.</p>	<p>The materials purchased from this grant aligns with multiple science TEKS and the Computations &amp; Problem Solving portion of the math TEKS. Our Science curriculum says it best when it says: "Science often emphasizes experimental investigation in which students actively manipulate variables and control conditions." Full STEAM Ahead will help with this investigation piece and using different manipulative, it will guide students into critical thinking. It also aligns with our Allen ISD goal: We believe every child deserves the highest quality education. In giving students different ways to problem solve, we are creating life long learners with a hands on experience.</p>

What specific measurements will be used to evaluate the effectiveness of the project?	The effectiveness of the challenges will be measured through classroom formative and summative assessments. It will also be measured on the MAP science assessments that 3-6 teachers take and on the Science STAAR in 5th grade. We will be able to see growth in the MAP data within the math and science assessments. It will also be measured through the effectiveness of students problem solving and critical thinking in classroom instruction and on classroom given assignments.
What teaching methods will be used to implement this project?	The materials used in Full STEAM Ahead will be used in whole group, small group stations, and during enrichment lessons. All students in Kindergarten to Sixth grade will have access to these materials and challenges.
What is the project timeline and the date of implementation?	Full STEAM Ahead will be implemented starting in September. Lindsey and Preston teachers will start with monthly activities, Kinder through Sixth grade, that align with the TEK that they are working in in Science. Once they have implemented the STEAM process, teachers will be able to use these activities and materials within their Science small group instruction as a station.
Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.	The students at both of my campuses need more interactive and hands on experiences with STEAM engineering challenges. By providing the challenges and materials, the teachers will guide their students to become better critical thinkers and problem solvers. Giving the students this hands-on approach, it will build life long learners that will be able to have a strong foundation that sets students up for success later in life. Together, we can build confident students who are able to make mistakes and learn from those mistakes in order to achieve at a high level of learning in both math and science.

### Project Budget

Total Grant Budget Requested:	2577.96
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#### Project Budget Set Number 1

Item Type	General Supplies
List item to be purchased under item category:	Makerspace Task Cards (K-2)- Hand2Mind
Unit Cost	19.99
Quantity	2
Total cost of items in this category:	39.98

#### Project Budget Set Number 2

Item Type	General Supplies
List item to be purchased under item category:	Makerspace Task Cards (3-5)- Hand2Mind
Unit Cost	19.99
Quantity	2

Total cost of items in this category:	39.98
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**Project Budget Set Number 3**

Item Type	General Supplies
List item to be purchased under item category:	15 bin Storage Center- Lakeshore
Unit Cost	499
Quantity	2
Total cost of items in this category:	998.00

**Project Budget Set Number 4**

Item Type	Other Expenses
List item to be purchased under item category:	Materials for the Carts
Unit Cost	750
Quantity	2
Total cost of items in this category:	1500.00

**NGB**

First Name	Last Name	Email	NGB	Record	Letter
Justin	Spies	justin.spies@allenisd.org	RN239125	Name: Rec240673, Status: Submitted	Click on the 'Edit' button to replace this with your letter.

**NGB Custom Questions and Answers**

**Rec240673**

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:	This looks awesome!

**Almost done!**

Not Available	
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