General Information

Grant Number	459
Project Title	Makers Day!!!
Please select the **MAIN** curriculum area your grant addresses.	Science
Does your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)	○ **No** ◉ **Yes**
Primary Contact Information	
First Name	Leslie
Email	leslie_janek@allenisd.org
Last Name	Janek
Phone Number	214-549-9033
Campus	Lindsey Elementary
Main Subject	Other
Grade(s)	K Pre-K 1 2 3 4 5 6
I have co-applicants.	☐
Social Media	
Please provide your work-related social media contact information.	
Facebook	
Twitter	lone Star Library@heather_janek
Other (please specify)	@janeklonestars (Leslie's Twitter)

Describe details of the project

Grant Number	459
Campus/Student Information	
Your campus:	Lindsey Elementary
Will other campus' be involved/impacted by this grant?	◉ **No** ○ **Yes**
Your grade(s):	K,Pre-K,1,2,3,4,5,6
Will other grades be involved/impacted?	◉ **No** ○ **Yes**
Project Purpose	

What is the problem, need, or opportunity that this grant will address? Explain **what students will know and be able to do** as a result of this project and/or how a problem will be addresses and/or how a situation improved because of the grant. (500 words or less.)

Makerspaces are a new concept to the library. These are activities that help support STEAM: Science, Technology, Engineering, Art, and Math. The main goal of STEAM education is for students to be able to function in a technology driven world. Since libraries are already places to help people with information, placing STEAM in the library makes sense. In this way, the library can

promote a deeper understanding of concepts and scientific practices in a fun, creative way. While working on STEAM projects, reading will also be incorporated.

Project Description

How will the project or program be implemented? Describe activities and tasks.
Who is the target population and in what ways will they benefit? (500 words or less.)

We will start this program by implementing Makers Friday. Each grade level will be assigned a time to come to the library to participate. During this time, students will be able to participate in different STEAM activities including Bloxels, LEGOS, We Do Robots 2.0, Ozobots, Dash and Dot robotic devices, Keva blocks, K'Nex, 3D design, origami, coding, green screen for making movies, and Breakout boxes. Students will use various apps and websites such as code.org and tinkercad to write code and create original 3D designs for printing on our 3D printer. The various robots will require students to program them (using coding skills) to do all sorts of things such as follow a path, throw a ball in a basket, play an instrument, and many other tasks. We will also have STEAM challenges that require students to use set materials to build or design something to complete a given task. One example might be to build a bridge strong enough to hold a glue bottle using only 30 straws and 2 feet of tape. These challenges will require engineering skills, problem solving skills, artistic creativity and much more! All students will be able to participate in a variety of projects offered.

Project Summary

Provide a brief summary for use on the Foundation's website and social media. (2-3 brief sentences)

Makers Fridays will be days throughout the year where the entire student body is learning about STEAM (Science, Technology, Engineering, Art, and Math) and acquiring a number of skills they will need in such a technology driven world.

Allen ISD Goals/ TEKS

Which Allen ISD goals/TEKS does this project support? Provide only two or three examples.

These activities support goals and TEKS for technology, science, math, and art. One activity we will do is code the robot, Dash, to complete a task. This supports the technology TEK by using critical thinking, problem solving, and decision making skills. All STEAM tasks will require, "the ability to problem solve," as they use the given device/supplies to complete the task, project, or challenge.

Measurement

What specific measurements will be used to evaluate the effectiveness of the project? (500 words or less)

We will evaluate Maker Fridays by conferencing with teachers to decide what was successful and what was not. We will also make a survey for teachers and students to provide feedback. The best way to determine effectiveness is through observation: are students enjoying the activity, are they participating, are they understanding, are they learning? With teachers being actively involved, together we should all be able to determine the success of this program.

Teaching Methods

What teaching methods will be used to implement this project? (500 words or less.)

Most of these projects will be self-directed by the students. We will provide minimal directions and then let the students explore and create.

Timeline

What is the project timeline and the date of implementation?

Makers Fridays will begin in September, run through the school year, and conclude in May.

Curriculum/System Support

Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.

We believe the activities performed during Maker Fridays will enhance the Allen ISD curriculum. This is not just a play time, but a time to enrich lessons in science, math, and technology. Allen already has an excellent AIM program that provides enrichment for GT students. This program will hopefully provide enrichment to our entire student population at Lindsey through our AIM and Library programs to help make our students thinkers and doers.

Budget details

Budget Details ** All awarded funds will be available by September of the next school year.

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
Dash accessories-	Technology	30.0	6	180.0
Dash Robot	Technology	125.0	5	625.0
Bloxels	Technology	30.0	2	60.0
We Do Robots 2.0	Technology	175.0	2	350.0
K'Nex	Instructional Supplies or Resources	50.0	3	150.0
Ozobots	Technology	55.0	10	550.0

BUDGET TOTAL 1,915

Are there any additional funds available for this grant? Campus or District Funds? PTA funds? Let us know if you have or will be seeking funds from other sources to help with this project.

Additional funds? ○ No ◉ Yes

Please Explain

We have already purchased some supplies using various campus accounts, and will also borrow some supplies from the AIM room and Library including Keva blocks, Breakout boxes, Bloxels, LEGOS, and green screens. This grant will allow us to get the remaining needed supplies to kick off Maker Fridays!

Signature page and principal contact

Principal Approval Required

Please provide the Name and Email of your PRINCIPAL. (Not your name)

First Name	Last Name	Email Address(Completed)
Rachel	Kaiser	rachel_kaiser@allenisd.org

Applicant Signature

By entering my name below I signify that I understand that if I move within the District and have written the grant myself, I may take the grant with me to my school (as long as it is appropriate for my classes). If I have written the grant as part of a team, I will leave the grant behind with the team. If I leave AISD, I will leave the grant with the school for which I wrote the grant. As a condition of this grant, I will complete an evaluation form provided by the Foundation.

Signature Leslie Janek

Date 02/23/2017

Principal's approval form

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, teachers name or mascot **

No actions possible.

Comments

Accept

History and final disposition of application

State Change History

State Change	****** 02/23/2017 10:11:51 Submitted
State Change	****** 03/14/2017 17:11:47

	Accepted
Grant Status	
Grant Awarded	☐ **Yes** ☐ **No**
Award Amount	600