

General Information

Grant Number	651
Project Title	Makerspace: Maximizing Creative Genius
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?)	<input type="radio"/> No <input checked="" type="radio"/> Yes
Primary Contact Information	
First Name	Jessica
Email	jessica_gitzinger@allenisd.org
Last Name	Gitzinger
Phone Number	972-727-0612
Campus	Vaughan Elementary
Main Subject	Science - Elementary
Grade(s)	<div style="border: 1px solid black; padding: 5px;">K 1 2 3 4 5 6</div>
I have co-applicants.	<input checked="" type="checkbox"/>
Social Media	
Please provide your work-related social media contact information.	
Facebook	
Twitter	Jessica Gitzinger @GATE_allenisd
Other (please specify)	

Grant Co-Applicants

Additional Grant Applicants			
First Name	Last Name	Campus	Grade
Susan	Beazley	Vaughan Elementary	Library Media Specialist

Describe details of the project

Grant Number	651
Campus/Student Information	
Your campus:	Vaughan Elementary
Will other campus' be involved/impacted by this grant?	<input checked="" type="radio"/> No <input type="radio"/> Yes
Your grade(s):	K,1,2,3,4,5,6
Will other grades be involved/impacted?	<input checked="" type="radio"/> No <input type="radio"/> 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.)

While there are different types of Makerspaces, they all have the same purpose: To provide an environment (space, tools and people) that fosters hands-on student-driven learning, creation and exploration. It promotes the joys of informal, experiential learning through design. A simple Makerspace that sparks the hearts and minds of students will allow our students an opportunity to brainstorm, analyze, refine, learn from their mistakes, evaluate, and communicate to become better 21st century learners.

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.)

Our library has begun offering Makerspace activities this year for all Vaughan students, using materials and supplies donated by families and teachers, and we need to expand the available resources to do even more next year. Under the guidance of our campus library media specialist and the district gifted and talented instructional specialist, we hope to offer more creative, structured learning opportunities through our school library. Through hands on, student-centered experiences, children will develop and strengthen their creative, scientific, and research skills and establish a growth mindset.

Project Summary

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

"I do not think there is any thrill that can go through the human heart like that felt by the inventor as he sees some creation of the brain unfolding to success." -Nikola Tesla

Through Makerspace: Maximizing Creative Genius, Vaughan Elementary will enable students to synthesize background knowledge and apply their artistic skills to learn and create, all while fostering independent learning.

Allen ISD Goals/ TEKS

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

A few of the many TEKS that are supported through Makerspace: Maximizing Creative Genius include:

Science: (grades k-6, numbering varies)

Scientific investigation and reasoning including asking questions, planning and conducting simple investigations, collecting data, and making predictions

Social Studies: (grades k-6, numbering varies)

Uses problem-solving and decision-making skills, working independently and with others, in a variety of settings

Measurement

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

Feedback from teachers and administrators will be one of several ways we assess the success of our makerspace program. We will also look at students' participation and enthusiasm, and their ability to transfer higher-level creative thinking and problem solving skills across the curriculum.

Teaching Methods

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

Most of the Makerspace activities are open ended, but may come with written challenges or directions for the students to attempt and follow. The classroom teachers and librarian are available to support and guide the students and ask them questions to deepen their thinking. The point of Makerspace is for it to be student driven.

Timeline

What is the project timeline and the date of implementation?

We would like to add our new materials to our existing Makerspace as soon as possible, and have the students begin the next school year with new challenges, activities, and supplies.

Curriculum/System Support

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

Makerspace: Maximizing Creative Genius will provide the space, resources and tools to empower student creation and learning. It will promote self-directed learning, strengthen the culture of creation and innovation, and foster a spirit of experimental play allowing students to work and learn beyond the classroom.

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
Big Bag of Bricks 1000 pieces	Instructional Supplies or Resources	29.99	2	59.98
Lego Power Functions Kit	Instructional Supplies or Resources	45.68	2	91.36
Lego parts and Pieces Axles Kit	Instructional Supplies or Resources	11.5	4	46.0
Lego Chain Reactions	Instructional Supplies or Resources	18.22	1	18.22
Keva 400 piece	Instructional Supplies or Resources	84.95	1	84.95
Keva Brain builders	Instructional Supplies or Resources	14.55	3	43.65
Marbles 4 lbs	Instructional Supplies or Resources	19.95	2	39.9
Kids Sewing Machine	Instructional Supplies or Resources	89.99	1	89.99
Klever Cutters (cardboard cutters)	Instructional Supplies or Resources	1.99	10	19.9
Box! Castles and Kitchens book	Instructional Supplies or Resources	17.55	1	17.55
Gravity Maze	Instructional Supplies or Resources	29.89	1	29.89
On The Dot Brain Teasers	Instructional Supplies or Resources	8.41	1	8.41
Makey Makey: Invention Kit	Instructional Supplies or Resources	49.95	2	99.9
Osmo Starter Kit	Technology	79.99	1	79.99
Osmo Number Game Add on	Technology	29.99	1	29.99
Osmo Coding Game	Technology	49.52	1	49.52
BUDGET TOTAL		809.2		
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?		<input checked="" type="radio"/>	No	
		<input type="radio"/>	Yes	

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)
Honey	Gray	honey_gray@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	Jessica Gitzinger	
Date	03/15/2017	

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

I approve that this would be a good use of funds. Vaughan would benefit by having additional hands on materials for our students to create and explore.

History and final disposition of application

State Change History	
State Change	***** 03/15/2017 13:13:53 Submitted
State Change	***** 03/15/2017 13:43:40 Accepted
Grant Status	
Grant Awarded	<input type="radio"/> Yes <input type="radio"/> No
Award Amount	500