

General Information

Grant Number	95
Project Title	LEGO My Makerspace!
Please select the MAIN curriculum area your grant addresses.	Career & Technology
Does your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)	<input checked="" type="radio"/> No <input type="radio"/> Yes
Primary Contact Information	
First Name	Melissa
Email	melissa_gonzalez@allenisd.org
Last Name	Gonzalez
Phone Number	972-727-0570
Campus	Story Elementary
Main Subject	Instructional Technology
Grade(s)	<div style="border: 1px solid black; padding: 5px;"> K 1 2 3 4 5 6 </div>
I have co-applicants.	<input type="checkbox"/>

Describe details of the project

Grant Number	95
Campus/Student Information	
Your campus:	Story 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.)	
<p>Students at Story Elementary come from all kinds of backgrounds and families. Story serves students of great academic and social diversity, and many of our students do not have the ability to access the ample opportunities of resources that are designed for play and educational purpose. Through the push in 21st century learning, the STEAM (Science, Technology, Engineering, Arts, and Mathematics) Movement is at the forefront, encouraging opportunities to learn through multiple facets. In regards to STEAM, "Makerspaces" are utilized in classrooms and libraries to encourage students to use critical thinking and problem solving through the use of various books and materials. The funds provided from this grant will be used to design a mobile Makerspace from LEGO Education. LEGO books and materials will be available for use across all grade levels and in all content areas, along with access to online resources and support. With our Makerspace, students can demonstrate their knowledge of concepts in a whole new way - through designing and constructing with LEGO!</p>	
Project Description	

Budget details

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.)

"LEGO My Makerspace" is formatted to be accessible for students and teachers across all grade levels and content areas. Housed in the Library, LEGO materials and resources will be stored on a rolling cart to provide easy access if teachers desire to use the Makerspace in their classrooms. The vision for the Makerspace is that LEGO will be implemented in various avenues: As manipulatives in math instruction, building and deconstructing words/sounds in phonics, constructing story settings for book/novel studies, building and reenacting significant events in history, constructing and experimenting with simple machines in science, using LEGO's online design sites and apps to build and produce movies, and many more entertaining ways to build, with education always in mind!

Allen ISD Goals/ TEKS

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

~ TA TEKS, K-6: "(1): Creativity and innovation: The student used creative thinking and innovative processes to construct knowledge and develop digital products."

~ English Language Arts and Reading: K(23), 1(29), 2(30), 3(31), 4(29), 5(29), 6(28) "(23) Listening and Speaking/Teamwork. Students work productively with others in teams. Students continue to apply earlier standards with greater complexity. Students are expected to follow agreed-upon rules for discussion, including taking turns and speaking one at a time (speaking when recognized, making appropriate contributions, participate in teacher- and student-led discussions by posing and answering questions with appropriate detail and by providing suggestions that build upon the ideas of others, and eliciting and considering suggestions from other group members and by identifying points of agreement and disagreement."

~ Mathematics, K-6: "(1B): Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution."

Measurement

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

Evaluation can be done in informal and formal measurements through observations, conversations, rubrics, and other measurements specific to the desired goals of the lessons. Teachers can evaluate students' abilities to use critical thinking to create products and comprehend the concepts being addressed, while the end products can be assessed for the demonstration of mastering skills, components of completion, and success at problem solving.

Teaching Methods

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

A variety of methods can be applied when using our Makerspace; it is depended upon the skill or task that the teacher desires to accomplish. Direct instruction may be necessary if the teacher is introducing a new concept, using LEGOs for demonstration or as manipulatives. Guided or independent practice is incorporated if students are planning/building independently or in groups, while the teacher is advising or monitoring for mastery.

Timeline

What is the project timeline and the date of implementation?

"LEGO My Makerspace" can be available as close to the beginning of the 2015-16 school year as possible. Materials and resources from LEGO will need to be sorted, organized, and labeled on the mobile cart, and then teachers can check out the cart from the Library.

Curriculum/System Support

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

The educational and social values of "LEGO My Makerspace" are endless. Academically, our Makerspace is designed to focus upon all subjects and content areas that our campus offers, as well as a wide variety of TEKS and concepts within our curriculum. Socially, our Makerspace hopes to encourage communication, planning, and cooperation, along with learning to follow through with ideas and problem solving in everyday situations.

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

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
LEGO Classic Large Creative Brick Box	Instructional Supplies or Resources	59.99	2	119.98
LEGO Classic Green Baseplate Supplement	Instructional Supplies or Resources	7.99	4	31.96
LEGO Classic Creative Supplement	Instructional Supplies or Resources	19.97	2	39.94
LEGO Education Simple Machines Set	Instructional Supplies or Resources	162.31	1	162.31
LEGO Education Fairytale and Historic Minifigures Set	Instructional Supplies or Resources	54.95	1	54.95
The LEGO Ideas Book	Instructional Supplies or Resources	14.09	1	14.09
The LEGO Technic Idea Book: Simple Machines	Instructional Supplies or Resources	11.53	1	11.53
ECR4Kids 14-Drawer Mobile Organizer	Instructional Supplies or Resources	63.99	1	63.99

BUDGET TOTAL 498.75

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

Signature page and principal contact

Principal Approval Required

Please provide the Name and Email of your Principal

First Name	Last Name	Email Address(Completed)
Amanda	Tabor	amanda_tabor@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 Melissa Gonzalez

Date 03/26/2015

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 *****
03/26/2015 10:07:31

	Submitted

State Change	03/26/2015 10:37:19 Accepted
Grant Status	
Grant Awarded	<input checked="" type="radio"/> Yes <input type="radio"/> No
Award Amount	499