

General Information

Grant Number	467
Project Title	Math Magic
Please select the MAIN curriculum area your grant addresses.	Math
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	Trish
Email	trish_jarboe@allensd.org
Last Name	Jarboe
Phone Number	972-727-0570
Campus	Story Elementary
Main Subject	Math - Elementary
Grade(s)	<input type="checkbox"/> K <input type="checkbox"/> Pre-K <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
I have co-applicants.	<input type="checkbox"/>
Social Media	
Please provide your work-related social media contact information.	
Facebook	None
Twitter	@TrishJarboe
Other (please specify)	Twitter only

Describe details of the project

Grant Number	467
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,Pre-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.)	

Our at risk population at Story Elementary is growing. The increasing demands of the STAAR test have been very challenging for our students and teachers. The test is requiring the kids to know the concepts much more in depth and with visual models. In order to better prepare our students of these current challenges, I would like to have access to more hands on materials that simulate the problems that are presented to them to make them more successful in state testing, but most importantly as lifelong

learners. I want these materials to engage them and get them excited about mathematics.

I am an SSI teacher at Story Elementary. SSI is an Intervention program for students at risk of failing in the areas of reading and mathematics based on testing data and teacher input. I teach these kids in a small group setting using various intervention strategies to help boost their confidence and love for mathematics. A variety of hands on math materials would be extremely beneficial to this program.

Looking at our testing data in grades Kindergarten through 6th grade, one of our weakest areas in mathematics is interpretation of models in problem solving. As a goal to make our students more successful and lifelong mathematicians, my request for engaging math materials would be very helpful in achieving this goal for my students.

Money talks and my grant will be worth your money. It will have longevity because the math materials can be used in the SSI department for several years. Also, my grant will impact up to 100 students in all grade levels at Story Elementary. Thank you for taking the time to read and consider my grant.

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.)

My math materials will be implemented throughout the day with all grade levels during their intervention time. I meet with small groups of children for 45 minutes per group each day. During this time, with the use of these new math materials, I will be able to better meet the diverse needs of all my students in ALL grade levels.

I will be able to implement several engaging activities with these requested items. I will be able to form quality, hands on math lessons where EVERY child will have math hands on learning materials, in front of them. I will be able to create quality lessons which allow the kids to dig deeper into the concept, and improve their understanding.

Just creating that love for math and confidence that they CAN DO IT are my main goals with these resources. If they have the desire and confidence, their test scores will go up and so will their determination to get even better and practice more.

These resources will largely benefit the at risk of failing population of kids at Story. These are the children I tend to see in SSI. These are the kids that either had low test scores based on data, or their teacher recommended they needed extra small group help.

My goal is to make my students lifelong learners. I want to encourage them and make them confident mathematicians. I want them to LOVE math like I do. I want to ENGAGE them with high quality resources.

Project Summary

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

Math Magic is a hands-on math plan to use in SSI with at risk students. The grant will involve the purchase of materials from Lakeshore Learning Company to increase the depth of the students' understanding of difficult to grasp concepts. These quality materials can be used over and over for years to come.

Allen ISD Goals/ TEKS

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

Ten Frame Teaching Cards : K.2(I)compose and decompose numbers up to 10 with objects and pictures.

Giant Fraction Multipliers : 5.3(I)represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models.

Fraction Folder Games: 4.3(D)compare two fractions with different numerators and different denominators and represent the comparison using the symbols $>$, $=$, or $<$.

Measurement

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

The specific measurements that I will use to evaluate the effectiveness and the value of this project will be progress monitoring my students every 2 weeks. In Allen ISD, all Tier 2 and 3 kids are progress monitored every 2 weeks to evaluate their progress, and to determine if an objective has been mastered. This is a 5 question multiple choice test that involves problem solving skills. I will monitor their math progress on a variety of objectives to determine the effectiveness of the use of hands on materials in my small groups. I will pull each kid aside individually for a few minutes every 2 weeks and conference with them about their goals and progress. I will graph and plot their progress on a visual model which will be used when conferencing with parents. This will be an excellent way to measure their growth in mathematics .

Teaching Methods

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

The benefit of SSI is small group teaching. I will use this small group intervention time to place math materials in each child's hands, so I can guide them through the lesson in an engaging and meaningful way. I will use a variety of materials due to the diverse needs of my students. All children learn differently. Some are more visual, some are more oral, but all tend to benefit from real life hands-on models. I will use a concrete to abstract approach in my lessons. I will start with the math materials to provide the kids with in depth examples of the math problems. I will then have them put those ideas on paper by drawing out the problem from the models. Last, I will have the kids check their problems by using the traditional methods we learned as kids. I call this method: Build It! Draw It! Solve It! This method gets results, especially with the kids that have the most difficulty grasping the concepts.

Timeline

What is the project timeline and the date of implementation?

I am very flexible as far as when the funds are available. I just appreciate the extra help and support. My project will be an ongoing project. I plan on actively monitoring each student's math progress, so I can determine ways to improve their level. I want to be sure they are understanding grade level mathematical problems, and not at a level of frustration. I want math to be fun and meaningful. I want them to be confident and lifelong mathematicians. This project will have no end. It will be ongoing and will continue to improve.

Curriculum/System Support

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

The math materials I am requesting greatly enhances and supports Allen ISD curriculum. These additional resources will increase the quality of our materials in the SSI department.

The math materials will help each child grow at THEIR own pace in mathematical accuracy and comprehension. These materials will cover a variety of topics which will help engage each child and strengthen their love for math. The hands-on models can be used both in small groups and individually. They will help the kids answer a variety of questions and increase the depth of their knowledge of each concept.

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
Ten Frame Teaching Cards	Instructional Supplies or Resources	19.99	1	19.99
Ten Frame Activity Dice	Instructional Supplies or Resources	19.99	1	19.99
Giant Magnetic Fraction Multipliers	Instructional Supplies or Resources	29.99	2	59.98
Bar Models Hands on Learning Kit	Instructional Supplies or Resources	39.99	1	39.99
Pick a Problem Warm-Ups	Instructional Supplies or Resources	29.99	1	29.99
Build and Learn Volume Kit	Instructional Supplies or Resources	39.99	1	39.99
Giant Multi-sided Foam Dice	Instructional Supplies or Resources	19.99	1	19.99
Fraction and Decimal Folder Games	Instructional Supplies or Resources	34.99	1	34.99
Base 10 Visual Models Activity	Instructional Supplies or Resources	39.99	1	39.99
Jumbo Magnetic Multiplication Arrays	Instructional Supplies or Resources	39.99	1	39.99

BUDGET TOTAL 344.89

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. (Not your name)

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 Trish Jarboe

Date 12/16/2016

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

Accepted

History and final disposition of application

State Change History

State Change	***** 12/16/2016 14:01:38 Submitted
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State Change	***** 12/16/2016 14:21:58 Accepted
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Grant Status

Grant Awarded Yes No

Award Amount 345