

**General Information**

Grant Number	744
Project Title	Linking Literacy to Math
Please select the <b>MAIN</b> curriculum area your grant addresses.	Math - Elementary
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
<b>Primary Contact Information</b>	
First Name	Katie
Email	kathryn.tsutsumi@allenisd.org
Last Name	Tsutsumi
Phone Number	469-682-7923
Campus	Evans Elementary
Main Subject	Math - Elementary
Grade(s)	4
I have co-applicants.	<input checked="" type="checkbox"/>
<b>Social Media</b>	
Please provide your work-related social media contact information.	
Facebook	
Twitter	
Other (please specify)	

**Grant Co-Applicants**

<b>Additional Grant Applicants</b>			
First Name	Last Name	Campus	Grade
Erica	Butler	Evans Elementary	4

**Describe details of the project**

Grant Number	744
<b>Campus/Student Information</b>	
Your campus:	Evans Elementary
Will other campus' be involved/impacted by this grant?	<input checked="" type="radio"/> No <input type="radio"/> Yes
Your grade(s):	4
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? Describe the impact of this project on your students. (500 words or less.)

There are many benefits to using literature in the math classroom, such as the fact that both content areas of Reading and Mathematics require the development of many of the same concepts: pattern recognition, classifying, examining relationships, organizing thoughts. Integration of these two content areas allows for the simultaneous development of both math and language arts skills. Math

literacy scaffolds the learning and provides context by presenting authentic narrative text and colorful illustrations of mathematical representations.

### 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.)

The teachers that receive these kits will be able to introduce new units of study to the students through these popular and informative books. An entire year of math concepts are illustrated in contextual formats that bring meaning and authenticity to the world of math within each kit. Integrating math in stories and problems is a real-life application that brings aesthetic appeal and depicts life experiences, making mathematics even more relevant to students through curriculum connections of Mathematics and Reading. Many students who have trouble in Language Arts also have trouble with Mathematics because of the reading component. These books would help assist students having difficulties in both subjects by teaching story elements while also teaching mathematical concepts.

Many student learning styles will be addressed in this program. Auditory learners benefit from the story being read aloud and visual students enjoying reading the books and viewing the illustrations on the pages. Also, because there are such a vast variety of topics covered in these books through characters and story lines, many student interest areas are addressed, bringing excitement to the lessons promoting reading enjoyment and life-long learners.

### Project Summary

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

Fourth grade students at Evans Elementary were provided with Math Literacy Libraries to link literacy to math. The engaging picture books cover all concepts taught throughout the year and integrate problem solving and real life situations.

### Allen ISD Goals/ TEKS

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

"We believe every child deserves the highest quality education." - In supporting the core beliefs of The Allen Way philosophy, this grant opportunity will allow us to further complement our existing curriculum in math.

All fourth grade math TEKS will be supported in the implementation on these resources.

### Measurement

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

Teacher created rubrics, ongoing observations of student interest and engagement, and team discussions on student reactions will all be used. Teachers will be able to compare Math Beginning of Year assessments and Simulation scores of the past years. We also hope to analyze Math and Reading STAAR scores in the years to come to and see that students are achieving higher academic readiness.

### Teaching Methods

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

The Literacy Library's "3 E's to Excellence":

1. ENJOY - Reading the quality selections will build on students' appreciation for both math and literature. These books bring richness and motivation to the wonder of Mathematics
2. ECHO - Students are given the opportunity to express their thoughts, in writing, after connecting with the literature. Whether the student relates the text to himself, the world, or his previous math experiences, he gets to record his ideas on paper, which provides the instructor with an opportunity to check for understanding of the concept being taught.
3. EXTEND - After a story has been read, the instruction part of the lesson may begin where math concepts are taught more thoroughly, many times through use of manipulatives or examples from the stories themselves.

### Timeline

What is the project timeline and the date of implementation?

September 2018 - We will continue to use these materials as valuable resources for our campus math resources.

One of the greatest benefits of this program is that it doesn't require additional material each year, and once purchased and

received, can be implemented immediately. Because the books address curriculum taught throughout the school year, the material will be used in 4rd grade math classrooms.

### Curriculum/System Support

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

We know that math has been a focus for the district in order to make it an exemplary district. We are well aware that math is a crucial subject for students to know and understand in this ever changing world we live in. We want to be able to help increase student success in not just memorizing math concepts, but actually producing them and evaluating how they work in real life. We know that our trd graders still think very concretely, and any authentic experience and discussions we give them will stay in their life beyond the 4rd grade 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
Fourth Grade Set - Math Literacy Library (22 books)	Instructional Supplies or Resources	180.99	3	723.96
Shipping for delivery	Other Expenses	108.59	1	108.59

**BUDGET TOTAL 832.55**

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)
Pam	Hale	pamela.hale@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 Katie Tsutsumi

Date 01/19/2018

### 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

This will be awesome for our fourth graders.

### History and final disposition of application

State Change History

State Change \*\*\*\*\*  
01/19/2018 10:49:46  
Submitted

State Change \*\*\*\*\*  
01/19/2018 12:49:07

Accepted

Grant Status	
Grant Awarded	<input type="radio"/> <b>Yes</b>
	<input type="radio"/> <b>No</b>
Award Amount	