

## General Information

Grant Number	301
Project Title	Visual Models for Strategic Reasoning
Please select the <b>MAIN</b> 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
<b>Primary Contact Information</b>	
First Name	Ashley
Email	ashley_nelson@allenisd.org
Last Name	Nelson
Phone Number	214-738-4897
Campus	Boyd Elementary
Main Subject	Math - Elementary
Grade(s)	<input type="checkbox"/> K <input type="checkbox"/> 1 <input type="checkbox"/> 2
I have co-applicants.	<input type="checkbox"/>

## Describe details of the project

Grant Number	301
<b>Campus/Student Information</b>	
Your campus:	Boyd 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
Will other grades be involved/impacted?	<input type="radio"/> No <input checked="" type="radio"/> Yes
Please select all grades that will be involved/impacted by the grant.	<input type="checkbox"/> K <input type="checkbox"/> 1 <input type="checkbox"/> 2

## 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.)

The purchase of Rekenreks would allow us the opportunity to provide our kindergarten, first grade, and second grade students with a visual model that will help promote strategic reasoning and a strong development of number sense. Rekenreks will help our students to discover number relationships and develop automaticity. Students will be able to use the rekenreks to think of numbers in groups as well as discovering addition and subtraction strategies on their own with this hands on manipulative. It is apparent that our students struggle with fact fluency, and this tool would be a major asset to the development in their foundation of number sense.

## 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.)

Rekenreks will be used during number chats, problem solving, mini lessons, and during small group instruction. The teacher can use this tool to help students learn how to subitize, think of numbers in groups, strengthen counting proficiency, develop addition and subtraction strategies, teach compensation, doubles, doubles plus one and doubles minus one, find missing addends, and compare/decompose numbers. All students in grade K-2 will be able to benefit from this fabulous tool by increasing their number sense. The effect of this tool will continue to travel with students into their 3rd through 6th grade years.

**Allen ISD Goals/ TEKS**

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

K.3A Model the action of joining to represent addition and the action of separating to represent subtraction;  
 1.3B Use objects and pictorial models to solve word problems involving joining, separating, and comparing sets within 20 and unknowns as any one of the terms in the problem  
 2.4A Recall basic facts to add and subtract within 20 with automaticity

**Measurement**

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

Teachers will use CFAs to monitor student progress of number sense as well as through informal assessments. These assessments will be kept in a student data folder which will travel with the student from grade level to grade level.

**Teaching Methods**

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

Teachers will use rekenreks to guide number chats, problem solving, mini lessons, and small group instruction.

**Timeline**

What is the project timeline and the date of implementation?

Rekenreks will be implemented for use when school starts in August of 2016 and will be used for years to come.

**Curriculum/System Support**

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

Reknreks support the natural development of number sense in children. This tool helps students to make mental images of numbers which will greatly impact their future mathematical ability. Students will be given the chance to discover number relationships leading to automaticity of basic facts.

**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
Reknreks	Instructional Supplies or Resources	19.95	15	300.0

**BUDGET TOTAL 300**

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)
Regina	Frazier	regina_frazier@allenisd.org

<b>Applicant Signature</b>	
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	Ashley Nelson
Date	02/23/2016

**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.
<b>Comments</b>
I support Visual Models for Strategic Reasoning to use Rekenreks and allow the opportunity to provide our kindergarten, first grade, and second grade students with a visual model that will help promote strategic reasoning and a strong development of number sense.

**History and final disposition of application**

<b>State Change History</b>	
State Change	***** 02/23/2016 14:03:44 Submitted
State Change	***** 02/25/2016 14:03:03 Accepted
<b>Grant Status</b>	
Grant Awarded	<input checked="" type="radio"/> <b>Yes</b> <input type="radio"/> <b>No</b>
Award Amount	300