

Grant Number 975

Project Title Numicon Numbers

Please select the **MAIN** curriculum area your grant addresses. Math - ElementaryDoes your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)
 No
 Yes

Primary Contact Information

First Name Donna

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Phone Number 972-236-0889

Campus Reed Elementary

Main Subject Math - Elementary

Grade(s) Please select all applicable.

I have co-applicants.

Social Media

Please provide your work-related social media contact information.

Facebook

Twitter

Other (please specify) donna.esfandiari@allenisd.org

Grant Number 975

Campus/Student Information

Your campus: Reed Elementary

Will other campus' be involved/impacted by this grant?
 No
 Yes

Your grade(s):

Will other grades be involved/impacted?
 No
 Yes

Please select all grades that will be involved/impacted by the grant.

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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.)

Number sense ambiguity for most kids. Numbers are abstract concepts. Quantity or fluidity of a number, which is just a symbol visually, requires for a young kid to make sense of why so many arrangements can create the same value. Numicon number shapes will show a concrete understanding of every number and how each number can easily be decomposed to numbers/values smaller or vice versa.

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 shapes will be used as a manipulative set to work during number talk or any addition or subtraction activity, odd/even, counting patterns, add 10 more, 10 less, 100 more, 100 less, compose, decompose, fact families. The shapes can also be used to form geometric shapes to discover area and perimeter configurations.

Project Summary

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

Numicon is a specific approach to children's mathematical learning that emphasizes three key concepts in doing mathematics: exploring relationships, communicating mathematically and generalizing from patterns and relationships discovered. It is a fun and tactile method to convey mathematics and form deep understanding for number sense.

Allen ISD Goals/ TEKS

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

Each number shape has a relationship with the shape before and after. Even & Odd numbers clearly have a specific shape. Subitizing is easy and quick. Composing & decomposing are done by moving pieces together or apart.

Great to use for adding & subtracting showing flexibles strategies. Can be used to put equal groups together or take apart. Student could predict, talk mathematically, generalized as they see/discover the formation of new values(numbers).

Measurement

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

BOY,MOY,EOY math assessments in grade 2, benchmark and simulation and STAAR for grade 3, and teacher observation.

Teaching Methods

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

The Numicon cards can be used as whole class guided practice, small group instruction, or as a station. the exploratory concept of the shapes will give students the chance to make sense through trial and error to configure how numbers form, how benchmark numbers like 5,10,15,20 can be recognized and be used to add-on or deduct. student could converse their finding or observations on how the used the cards in each activities, promoting content language conversations.

Timeline

What is the project timeline and the date of implementation?

Throughout the school year from September to May.

Curriculum/System Support

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

This program works in conjunction to existing math curricula. It is a tactile, manipulative supplement to existing lessons and activities. I was given a grant for the same program last year to be used in Kinder and first grade. I am expanding it to second and third grade classes. It is an effective method to use in upper classes for students who lack number sense.

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

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
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	Budget Item	Item Type	Unit Cost	Quantity	Total Cost
Numicon Box of 80 shapes		Instructional Supplies or Resources	60.0	10	600.0
Numicon 100 square board		Instructional Supplies or Resources	15.0	20	300.0
Shipping		Other Expenses	8.0	10	80.0

BUDGET TOTAL 980

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

Principal Approval Required

Please provide the Name and Email of your PRINCIPAL. (Not your name)

First Name	Last Name	Email Address <small>(Completed)</small>
Susanne	Miller	susanne.miller@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 Donna Esfandiari

Date 01/15/2019

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

These number models have helped to reinforce number sense with our students.

State Change History

State Change donna.esfandiari@allenisd.org
01/15/2019 11:58:22
Submitted

State Change *****
01/15/2019 23:05:42
Accepted

Grant Status

Grant Awarded Yes
 No

Award Amount 400