

Grant Number 1086

Project Title Hands on Equations

Please select the **MAIN** curriculum area your grant addresses. Math - Elementary

Does your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)
 No
 Yes

Primary Contact Information

First Name Shannon

Email shannon.hullum@allenisd.org

Confirm Email shannon.hullum@allenisd.org

Last Name Hullum

Phone Number 214-708-6018

Campus Reed Elementary

Main Subject Math - Elementary

Grade(s) 6

I have co-applicants.

Social Media

Please provide your work-related social media contact information.

Facebook

Twitter @shaddy87_hull

Other (please specify)

Grant Number 1086

Campus/Student Information

Your campus: Reed Elementary

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

Your grade(s): 6

Will other grades be involved/impacted?
 No
 Yes

Please select all grades that will be involved/impacted by the grant.
 4
 5

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.)

Sixth grade math is the launching point for instruction in formal algebra. Algebra is considered by many to be the gatekeeper to higher levels of mathematics. We would like to support our Reed students in their future success in higher mathematics by providing a strong conceptual foundation in algebra through hands on experiences with the Hands-On Equations Kits.

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 hands-On Equations Kits will be used with 6th grade students during math instruction and intervention to concretely model algebraic equations. Through using the pawns and dice that are included in the kits, students learn how to balance and solve equations in a hands-on experience prior to learning how to balance and solve equations abstractly. The kits provide access to the algebra curriculum for all students. The kits also provide opportunities for students who excel in math to learn algebraic concepts at higher levels. The kits can be shared with fourth graders and fifth graders as enrichment and extension lessons.

Project Summary

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

Hand-On Equations: Hands-On Equation kits will provide concrete experiences for sixth grade students to balance and solve algebraic equations in an engaging and challenging format. Through the use of the kits all students will have access to learning and mastering basic algebraic equations.

Allen ISD Goals/ TEKS

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

The resources purchased with this grant will align with Math TEKS addressing Algebraic Reasoning in grade 6 (6.6C, 6.9A, 6.9C, 6.10A, 6.10B).

The new materials will help fulfill two of Allen ISD's district beliefs: *We believe every child deserves the highest quality education. *We hold ourselves accountable to every child who walks through the door.

Measurement

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

The effectiveness of the project will be measured through student scores on the algebraic readiness TEKS during formative and summative classroom assessments, quarterly school assessments (TEKS Checks), district benchmark assessment, district STAAR simulation, and end of year 6th Grade STAAR math assessment.

Teaching Methods

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

The kits purchased will be used for whole class, small group, tutoring and intervention instruction. All sixth grade students will use the kits, as well as any enrichment groups from fourth and fifth grades.

Timeline

What is the project timeline and the date of implementation?

We will purchase the materials in September and begin using them during the fall semester when we teach the algebra unit. The kits will continue to be used during instruction, intervention block and tutoring throughout the remainder of the school year.

Curriculum/System Support

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

Many of the objectives in our current curriculum require students to solve, balance, represent, and connect algebraic equations to real-life problems. The students on our campus need more experiences with concrete experiences, creating models and connecting those to abstract equations. By providing these experiences, we will guide our students to become more confident problem solvers and provide them with a strong mathematical foundation prior to attending Curtis Middle School. We want all of our students to feel successful in mathematics and be encouraged to take higher level math classes as they transition to secondary schools in Allen ISD.

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

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
Hands-On Equations Kit Instructional Supplies or Resources	Instructional Supplies or Resources	257.84	1	257.84

BUDGET TOTAL 257.84

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(Completed)
Susanne	Miller	Catherine.miller@allensd.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 Shannon Hullum

Date 01/23/2019

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

This resource will help our students build a foundation for algebraic concepts by modeling and solving equations with manipulatives. This resource is quite engaging for students!

State Change History

State Change shannon.hullum@allensd.org
01/23/2019 14:52:45
Submitted

State Change *****
01/23/2019 17:56:56
Accepted

Grant Status

Grant Awarded Yes
 No

Award Amount 258