

7 March 2018

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The Amphi Foundation is a 501(c)(3) organization. Please contact us directly for our Tax ID number.

Karen Maspero
Wilson K8

Dear Karen,

Since 1983, our mission has been to promote academic excellence through the expansion of resources that enrich the education, development, and well-being of the students of the Amphitheater Public School District. The Amphi Foundation has, for most of its history, focused primarily on services that help make it possible for students to attend school and participate in activities and in recent years we have added Classroom Grants to support our students' teachers and their classrooms. Our Scholarships & Grants committee is proud to honor your grant request. Congratulations!

Funding for this grant was provided by the Nova Home Loans Arizona Bowl. Our hope with this partnership is that funding will be matched in 2018 and that the Amphi Foundation will receive this gift again next year and beyond. You can help us by sharing photos, thank you notes and success stories about the impact of this funding so that we can share with our partners at the Arizona Bowl.

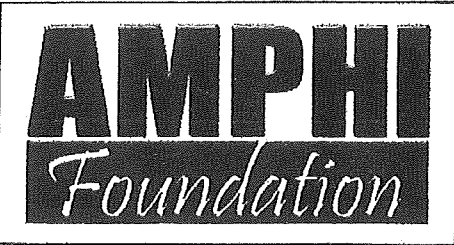
Please keep the following items in mind as you move forward with implementing your project and purchasing materials.

- If, for some reason, you do not proceed with this project, we ask that you return this money to the Amphi Foundation so that we can assist another classroom in need.
- Please be sure to follow district and school procedures for procurement.
- For any equipment or durable goods that have been purchased with this funding we ask that you consider gifting items to an Amphi colleague or teaching partner should you choose to leave the district.

On behalf of the Amphi Foundation Grants & Scholarships Committee, thank you for all that you do!

Best Regards,

Leah Noreng



Classroom Grant Application
Please complete, sign, and return to amphifnd@amphi.com

Project Title:	Middle School Math Manipulatives		
Applicant(s):	Karen Maspero , Barb Tharp , Lucy Finch		
Project Director:	Karen Maspero		
Telephone Numbers:	520-696-5865		
Project Site/School:	Wilson K-8		
Project Duration:	Start Date:	Mar- 2018	Ending Date: Open ended
Impact:	# of Students: 650		# of Teachers: 10
Ages/Grades: 10-13			
		Total Cost:	\$ 1,000
		Less Funding from Other Sources*:	
		Total Grant Request:	\$ 1,000
*List Other Funding Sources			
Signature and Date:	Karen Maspero		2/27/2018

TECHNOLOGY CERTIFICATION – required for grants requesting technology components

We CAN / CANNOT (circle one) support the technology and other infrastructure required for successful implementation outlined in this grant.

Technology Integration Specialist Signature: _____ Date: _____

PRINCIPAL APPROVAL:

After reviewing this application (principal please initial one),

as No additional resources (including maintenance and repairs) are necessary to fully implement the goals of this application

OR

Additional resources are necessary in the approximate amount of \$ _____ (total, per year, etc.) and will be funded by other sources.

This project is / is not eligible for extra-curricular tax credit funds. (select one)

Applicant has shared this application with me and I DO / DO NOT (circle one) support this application.

Principal's Signature: Aristine Sullivan Date: 2/27/18

Grant Proposal

Project Title: Middle School Math Manipulatives

Summary: *Brief, succinct overview of the project, including the estimated number of students directly impacted. Describe in lay terms. Do not assume the Committee knows the programs, technology or other topics you are discussing. Statement that could be used to explain project in a news release.*

Wilson K-8 students usually excels in all areas of academics, but in the past few years our math scores have shown a decline and in some areas, the scores have even dipped below the state norm references. Arizona Mathematical Common Core State Standards place a high emphasis on Algebra Thinking, Geometry and Number Sense mastery. Unfortunately, these are areas that our students need reinforcement. One solution to this problem would be to supplement our curriculum with more visuals and hands-on activities which would help engage our students through active participation and involvement that ultimately supports the student in achieving higher level mathematical results.

Project Need, Purposes and Objectives: *Describe how the project will enhance the learning environment and promote academic excellence. List the subject areas involved in the project and how the project will enhance the students' learning experience in these areas.*

Research has shown that students learn through different medians, therefore to help our students achieve a higher level of mathematical excellence we need to diversify our teaching techniques to accommodate all styles of learning. These math manipulatives will mainly be used by the middle grades of sixth – eight, including special education classes. The elementary teacher will be able to check out materials when needed. These materials will be used to strengthen the math concepts in a hands-on approach focusing in Algebraic Thinking, Geometry and Number Sense. Using manipulatives and hands-on learning has proven to engage the student and increase their retention.

Project Activities: *Description of the activities the award will facilitate and that will produce the objectives stated in the proposal.*

Using the Algebra tiles and visual area modeler provide a foundation for complex multiplication and division problems. These hands-on activities can be used in multiple grade levels and allow students to easily move from the concrete representation of a problem, to the pictorial, and then onto the standard algorithm of multiplication and division or algebraic expression. Scientific calculators are always in demand. They are used on a daily basis to check for computational accuracy, finding the hypothesis of a right triangle or the square root of 4.16. Using the spheres and cylinders shapes allows students to understand the difference between calculating volume and surface area. These hand-on shapes demonstrate conservation of volume by proving different geometric shapes hold the same volume.

Plan for Evaluation and Follow Up: *The standards of measurement to be used to determine if goal(s) have been achieved and timeline for assessment of results.*

It is our hope by using these manipulatives throughout the year, our students will improve their standardized test scores and increase their participation in class activates and retention of mathematical concepts.

Budget Worksheet

Item Description	Cost Per Item	
Algebra Tiles class set of 30 (IMS-520685)	\$ 89.95	5 sets – \$449.75
Algebra Visual Area Modeler (IMS-506456)	\$ 16.95 (set of 2)	8 sets – \$135.60
Scientific Calculators (IMS-79055)	\$ 9.79 each	30 - \$293.70
Exploragon Fractions Class Set (IMS-520709)	\$ 99.95	1 – \$99.95
Basic Geometric Volume Shapes (IMS-530001)	\$ 11.59	2 - \$23.18
	\$	
	\$	
TOTAL	\$	\$ 1002.18
Total Expenses for entire project		\$ 1002.18
Funding from other sources		\$ 0
Foundation grant request amount		\$ 1000.00

Donations by Amphi Foundation

School	Teacher	Amount	Project
AHS	Wendy Ousley	\$ 757.50	Folklore and Mythology Seminar
AMS	Tamara Paulson-Midgley	\$ 974.03	Percussion Power
Coronado	Terry Duggan	\$ 1,000.00	Steam-azing Lab
Coronado		\$ 967.16	Classroom Games
Donaldson	Rachelle Ferris	\$ 991.00	Donaldson Maker Lab
Harelson	Becky Cozart	\$ 704.95	PE Program
Harelson	Monika Arnold	\$ 435.78	Digital Microscopes in the Classroom
Holaway	Capella Hauer	\$ 995.00	Summer Home Visit Kits
Innovation	Danielle Swartz	\$ 1,000.00	STEM leveled readers for K-1 Guided Reading Library
IRHS	Jenny Een	\$ 1,000.00	Freshman Focus: Ninth Grade Transition Restriction Digestion, Purification of DNA Fragments, and
IRHS	Mark Joseph Pincus	\$ 999.55	Cloning into Plasmids
Nash	Michelle Martin	\$ 959.75	Choo! Choo! Full STEAM Ahead!
Painted Sky	Mercy Pemberton	\$ 953.10	Edison Robots for Painted Sky Second Grade
Rio Vista	Hilary Wiechert	\$ 849.00	Fifth Grade Novel Studies
Wilson	Beverly Teran	\$ 771.60	Collaborative Mixed Media Mural
Wilson	Karen Maspero	\$ 1,000.00	Middle School Math Manipulatives