

General Information

Grant Number	829
Project Title	Force and Energy It's a Snap!
Please select the MAIN curriculum area your grant addresses.	Science
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
Primary Contact Information	
First Name	Deborah
Email	deborah.bellando@allenisd.org
Last Name	Bellando
Phone Number	469-667-5596
Campus	Olson Elementary
Main Subject	Science - Elementary
Grade(s)	5
I have co-applicants.	<input type="checkbox"/>
Social Media	
Please provide your work-related social media contact information.	
Facebook	
Twitter	@bellandoabc123
Other (please specify)	

Describe details of the project

Grant Number	829
Campus/Student Information	
Your campus:	Olson Elementary
Will other campus' be involved/impacted by this grant?	<input checked="" type="radio"/> No <input type="radio"/> Yes
Your grade(s):	5
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"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 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.)	
<p>We are in need of more hands on materials to teach TEKS on Force, Energy, Electricity/Circuits. Using random materials and old, broken resources is making it difficult for all students to get the hands on learning experiences needed to acquire and retain the concepts and be prepared for STAAR.</p>	
Project Description	

Budget details

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 Targeted population is 5th grade students at Olson. We will use pulleys and other simple machines, and spring scales in hands on lab experiences to test force and measure force required to move an object as well as ways to use simple machines to reduce needed force. In the same energy unit we will use snap circuits and other electrical circuit kits and challenges to understand the flow of energy and how electricity flows through a circuit to perform tasks.

Project Summary

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

Force and Energy It's a Snap is a project to provide the necessary tools and resources to enable fifth grade students to get a hands on understanding of how force works, be able to make their own force, energy, and electrical projects and understand the concepts of how force and energy impacts their world.

Allen ISD Goals/ TEKS

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

Force, Motion and Energy TEKS

5.6A Explore the uses of energy including mechanical, light, thermal, electrical and sound energy.

5.6B Demonstrate thath the flow of electricy in circuits requries a complete path through which an electric current can pass and can produce light, heat, and sound.

5.6D Design an experiment that tests the effect of force on an object.

Measurement

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

Growth should be evident in benchmark and STAAR simulations as well as the STAAR test results themselves since grades 3, 4 and 5 will have access to these tools and therefore the tested concepts will be better understood for the quality instruction and hands on learning experiences made available to enable students to have a strong understanding of these tested concepts bringing abstract into that concrete understanding.

Teaching Methods

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

Hands on Lab experiences as well as maker space learning opportunities and direct teach learning experiences as provided in curriculum documents, including signature labs and Stemscoptes lesson suggestions.

Timeline

What is the project timeline and the date of implementation?

Items will be purchased this year to implement into lessons and labs in the 2018-2019 school year for grades 3-5.

Curriculum/System Support

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

Force, Motion and Energy are already units that are being taught each year. Having the tools needed to teach them more effectively will improve the curriculum already provided by AISD. Likewise, the initiative AISD has embraced to encourage students in the STEM areas will be encouraged through students having hands on tools like these to interact with and explore and have real life experiences in the STEM areas.

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

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
ETA hand2mind Single 50mm Plastic Pulley (Pack of 5)	Instructional Supplies or Resources	15.0	6	90.0
Wooden Dowel Rods - 3/4" x 36" Unfinished Hardwood Sticks - For	Instructional Supplies	37.0	1	37.0

Crafts and DIY'ers - Craftparts Direct - Bag of 25	or Resources			
Brackitz Pulleys 77 Piece Set Educational Construction Set -	Instructional Supplies or Resources	39.99	2	79.98
K'NEX Education - Intro to Simple Machines: Levers and Pulleys Set	Instructional Supplies or Resources	39.99	2	79.98
Snap Circuits Jr. SC-100 Electronics Discovery Kit	Instructional Supplies or Resources	20.99	12	251.88
Sciencent 6 Piece Math Economy Hanging Spring Scale Set	Instructional Supplies or Resources	19.49	1	19.49
BUDGET TOTAL		558.33		
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?	<input checked="" type="radio"/>	No
			<input type="radio"/>	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)
Amanda	Reyes	Amanda.Reyes@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	Deborah Bellando	
Date	02/02/2018	

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 grant would provide some wonderful opportunities for our 5th grade students as they work through the science curriculum.

History and final disposition of application

State Change History	
State Change	***** 02/05/2018 15:14:08 Submitted
State Change	***** 02/05/2018 15:23:11 Accepted
Grant Status	
Grant Awarded	<input type="radio"/> Yes <input type="radio"/> No
Award Amount	