



1501 Lee Highway, Arlington, Virginia 22209-1198 (703) 247-5800
An Independent Nonprofit Aerospace Organization



Rolls-Royce



**Aerospace
Education
Programs**

**Webster
UNIVERSITY**

Congratulations!

It is with pleasure that the Air Force Association (AFA) along with the support of our Aerospace Education strategic partners, Rolls-Royce and Webster University provides your class with an Educator Grant in the amount of \$500.00. Together we can provide educational opportunities for America's youth. We applaud your efforts to ensure future generations of Americans appreciate the important role of STEM education in America's future.

Let us know how this grant helps you! Please complete AFA's feedback form, which can be found at <https://www.surveymonkey.com/r/XRV93JT>. Describe the activity that your students were able to experience and how the funds were used. Please include the number of people impacted and any feedback comments you deem appropriate.

Photos help us tell the story about the impact the grants have! If you can send us a digital photo, we will do our best to put it out in our social media.

Again, congratulations and we wish you well throughout the school year!

All the best,
Christine Brown
Manager, AE & Support Programs
Air Force Association
1501 Lee Highway, Suite 400
Arlington, VA 22209
703-247-5800 Ext. 4891
AFA.org



Meaningful Learning

Objective:

Students will be given some real world problems that they will design new solutions for. They may be working to create a new transportation device, designing a better bridge, trying to find a unique solution for a problem that happened in history. The projects that can and will be developed will change based on what is being studied or sparked by the interests of the students themselves. There honestly is no limit to the types of projects that can be developed for teams or individuals.

As a team of second and third grade teachers, we will look the depth of knowledge and application of knowledge that occurs by applying the math, science, engineering, and social studies in new ways. Rubrics will be used to guide students and our evaluations of the solutions developed. As time goes on, more items/requirements will be added to those rubrics in order to see the progress of problem solving and application.

Benefits:

Being that our school has a focus on STEM, these projects and challenges help support the emphasis of the school. The projects created will help support our learning objectives for math, science, engineering, and social studies. The activities that will be created will help students think in terms of real world problem solving and decision making. Students will learn how to collaborate, and explore career related challenges that can support future careers. The items requested are will create engineering challenges and experiences where true problem solving can take place in our 2nd and 3rd grade pod. Currently there is a lack of materials, and this would help reach around 170 students yearly. Having a variety of materials, and a place to organize those materials will help students take learning to heights beyond anything imagined in order to solve real world problems. Without the requested materials we are limited in many ways as far as curriculum writing and lesson development. The new resources would be used daily, and would help us meet academic goals and create an ownership in learning and application.

Proposed Budget:

Steam Learning Systems (Weather, Robots, Egg Drop) \$17 (x3) = \$51

Tinker Toy 200 piece set \$42

120 piece wooden dominos \$12

Magnetic letters \$20

Zoob Challenge \$48

Gears! Gears! Gears! \$50

Seville Classics 9-Bin Organizer \$40

Kids First The Human Body \$40

K'NEX Education Simple Machines \$47

Creative LEGO Brick Set by LEGO Education \$60

LEGO Classic Green Baseplate Supplement \$7

LEGO Classic Medium Creative Brick Box 10696 \$28

Total \$445

Grade:

2-3

Students Impacted:

170 yearly

Community support:

Our school has had support from the local Rincon Rotary Club, Lennar Homes, and Great Scott Enterprises. I have earned a grant from Donors Choose of other products around the classroom (\$240). We have 20 iPads from Great Scott Enterprises, and 10 from a personal grant funded by Century Link a couple of years ago. The local community is very supportive of our efforts in developing a STEM school. We have a Maker Lab where all of the projects will be able to take place, and ACE Hardware has supplied tools for our use.

Principal:

Michael McConnell

He is in complete support of the project implementation. Please email him at mmcconne@amphi.com if you have any concerns.

School Address:

Innovation Academy
825 W. Desert Fairways
Oro Valley, AZ 85755

Personal Information:

Mabel Rivera
msrivera545@gmail.com
520-440-1985

AIAA Member Proof of Membership:

Thank you for your continuing support of AIAA -- the premier society serving the aerospace professional. This message is to confirm the receipt of your recent order. Your Member ID number is 904332. To log into the AIAA Web site you will need a Username and Password. Your username is your email address and your password is that which you created when filling out the online membership form. You may change your password after logging into the AIAA site.

Invoice #: 1714687

Invoice Date: 10/11/2017 11:05:03 PM

Customer's Name: Miss Mabel Rivera

Date: 10/11/2017

Payment Method:

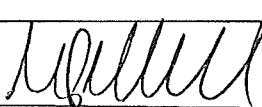
Code	Name	Qty	Price	Total
	Educator Associate - New	1	\$0.00	\$0.00
AAxxxxOxxxxxCxxxxx	Aerospace America--Online	1	\$0.00	\$0.00

GRANTS PROJECT COORDINATION

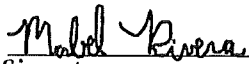
PROJECT PROFILE

*Forms should be submitted to Mike Bejarano, School Operations
Executive Director Student Services



Working title:	Air Force Association Grant
Target population: <i>(Which schools, grades, staff, etc. are impacted?)</i>	Innovation Academy 2nd Grade
General problem addressed by the project:	STEM centers to solve real world problems
Project Synopsis: <i>(Please also attach the proposal abstract or any additional clarifying information needed.)</i>	The grant would provide funding for centers that are geared toward real world STEM problems. These centers would be varied, and would allow students to use different skill sets.
Source and amount of funding requested:	COST REIMBURSEMENT GRANT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Funding will pay for: <i>(People, equipment, materials, training, services, supplies, etc.)</i>	Materials and learning supplies
District contribution(s):	\$0
Potential partners & their contributions:	Air Force Association
Sustainability plan: <i>(Explain how the project will be sustained without committing district funds)</i>	No funds need to be allocated to sustainability as nothing is consumable.
Principal/Department Authorization:	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  _____ Signature Date </div> <div style="text-align: center;"> 2/16/18 Name, printed </div> </div>

ok 22 2-28-18

Submitted by:	 <i>Mabel Rivera</i>		Mabel Rivera 2/15/18
	<i>Signature</i>	<i>Name, printed</i>	
	<i>Date</i> By signing this document, I acknowledge that purchases must follow the district's required bidding/purchasing process and will adhere to USFR* regulations and any other reporting requirements of the funder. <i>All fixtures, equipment and instructional materials (or other improvements) received under this grant will become the property of the Amphitheater School District and not the applicant.</i>		
Phone & Email:	4611 mmcconne@amphi.com	Date	
		:	

*USFR = Uniform System of Financial Records required by ADE and the Auditor General's office for bookkeeping & reporting methods on expenditures.