

Catalyst for Change Grant Final Report Form

Due electronically by Thursday May 30, 2019

Contact Information:							
Name: Mackenzie McNickle							
School: Stephen Foster E	lementa	ry School					
Basic Project Information:							
Project Title:	Pocket	Labs for STEM Integration					
Grade level(s) addressed:	3-5						
What priority area(s) did your project address?		Career/Technical Education Increasing Graduation Rates Literacy		Low-Performing Students X STEM Education Teaching Quality			
Actual Number of Primary Participants, both students and teachers: (Primary participants are those directly benefiting and/or receiving direct services from program activities.)			37 Students 12 Teachers				
Actual Number of Secondary Participants, if any, both students and teachers: (Secondary participants benefit indirectly from program services, for example, in a teacher training program, the teacher is the primary participant and the students are secondary participants)		Students Teachers					
Have substantial changes been made to the original plan/goal of the project? If so, please describe them here.			,				
Project Summary (Summarize your grant project and what was accomplished in 1,000 words or less.)							
with her classes. She did experim In my classroom, we used the Po	r, who t ents and cketLab essons; i do an ac ve "alien	eaches all grade levels, wad activities with the rocket equipment in a variety of nother future, I hope to creativity with UV-sensitive beliefe form" from the Sun. S	is particula and car ki ways. This ate new le ads in whi tudents us	arly excited to use the equipment its. year, I mostly implemented the essons that take advantage of the ch students have to build a sed the PocketLabs to test the			

PocketLab in the air, I displayed the PocketLab application on the LadiBug, so that students could see the change in velocity and how it related to the line graph being created on the screen.

After the PocketLab Air arrived in May, we examined air quality around the school, especially near vents and near the parent pickup area. In the future, I hope to engage a grade level in examining air quality more closely around the school, and understanding how idling vehicles may contribute to lower air quality levels that may be dangerous to students' health.

In the future, I hope to continue to encourage the use of PocketLabs in the STEM classroom by offering trainings and providing lesson ideas to the other teachers. In April, PocketLab began compatibility with Windows, which helps ease implementation greatly. Previously, the PocketLabs were only compatible with iOS devices. I believe that the PocketLabs have already made a positive impact on the students at my school, and I know that the collaboration between teachers at school will only continue to grow year after year. I am so excited about the project's future at the school! The PocketLab company is continuing to offer more support, curriculum options, and equipment variations, so the project will be sustainable for years to come. Next year, I plan to again offer training to teachers on how to use the equipment, and I plan to host the equipment in my classroom in the school MakerSpace. Additionally, I hope to widen the scope of the students receiving benefits from the PocketLab equipment by continuing to train and encourage teachers to use the equipment.

Please answer the following STEM-related questions

Please list the number of students who participated in an in-school program
37
Please list the number of students who participated in an out-of-school program
Diagon indicate the number of students who improved their grade in a STEM Subject area
Please indicate the number of students who improved their grade in a STEM Subject area. (Please also specify the subject area).
20 - maintained "A" in science
12 - improved from B to A in science
·
5 - went from A to B in science
In the future. I have to expand the use of the equipment to a wider variety of students by
In the future, I hope to expand the use of the equipment to a wider variety of students by
encouraging teachers of all levels to use PocketLabs in their science instruction.

Please Share a story that illustrates the life of your beneficiaries	s how your progi	ram made a concre	ete and sustair	nable difference in
In my classroom, we used the P data for two weeks on humidity, different types of clouds that acc the next day's weather with som students, as they started to see phenomenon. I think that this reather understand the importance weather prediction is not an exac weather patterns, and better approacher. After working on the probetter understood temperature at temperature or humidity level fee and understood the importance of	barometric pre companied the e degree of act the connection ally helped brin e of keeping da ct science! The preciated the ro oject, students and humidity (be els, and therefo	ssure, and temper weather. In this was curacy. This was between the datag meteorology to ta, and also helper realized that make of meteorolog felt more comfor etter understanding a better conce	erature, and way, we were really reward and a real-bife for the steed them under any factors controllers in trying the table using the fing of how a particular to the steed them.	we looked at the able to predict ding for the world tudents, helped erstand that contribute to predict the ne technology, particular
Please share any other outcor As a result of the project, I feel the To improve the project outcomes teachers next year. I believe that benefits in the coming years.	hat more STENs, I will offer mo	/I opportunities wore trainings and	ere available implementati	to the students. on ideas to all
Budget				
Budget Category	Catalyst for	Other Grant	Total	Description of Expenditu
baabet catebory	Change Amount	Amounts	Amount	Description of Experient
Salaries & Benefits				

Please indicate the number of teachers who received any type of STEM training as a part of

this project.

Professional Contracted Workers (i.e. stipend workers, trainers,

Travel (out-of-state travel MUST

work for fee etc.)

be pre-approved)

Program Supplies	\$2689	\$2689	1 PocketLab air, 14 silicone protective cases, 5 advanced STEM kits, 7 HotRods + PocketLab Voyagers, 5 rocket kits + PocketLab One, 2 Concussion Project Kits, 5 PocketLab Voyager Tactile Pressure Sensors
Computer Software			
Computer Hardware			
Other Equipment (not computers)*			
Printing**			
Tuition/Training/Conferences/Ad mission			
Room Rental Fees			
Food, awards, etc. (ONLY paid for with Private Match funds)			
Internet & Telephone Service**			
Postage**			
Total:		\$2689	

^{**}Only if these categories are directly related to program implementation

You are required to submit all receipts associated with expenditures included in the Catalyst for Change Grant Amount Column.

Agreements

I certify that all the above information is accurate and true to the best of my knowledge.
I certify that I have submitted the proper financial documentation showing the expenditures made
pertaining to the Catalyst for Change Grant amount that was awarded by The Education Foundation of Alachua
County.

Due electronically by Thursday May 30, 2019 to:

Tia Brock Education Foundation of Alachua County Director of Programs

brocktt@gm.sbac.edu (352) 955-7250 ext. 262