

STEM-CAN

STEM-CAN Supporters, Inc.
www/STEM-CAN.org

12112 N. Rancho Vistoso Blvd.
Suite A150, Unit 142
Tucson, AZ 85755
stem-can@msn.com

April 6, 2018

Nick Wodard
La Cima Middle School
5600 N. La Canada Dr.
Tucson, AZ 85704

Dear Nick (and Julie):

We are proud to support, in part, your principal-approved project as we continue Phase One of our STEM-CAN program to support your Public School Community. Enclosed find check #1528 for \$2000.00 made to your school for the direct funding of this praiseworthy project.

Please deliver this check to your principal/school financial officer A.S.A.P.

Follow-up as to progress toward your praiseworthy goal will be appreciated.

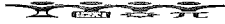
Thanks for your dedication to a challenging job,

A handwritten signature in cursive script that reads "Stephen Uhl".

Stephen Uhl, Ph.D.
President

Enc.: Check

cc.: jvalenzuela@amphi.com



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Teacher Assistance Proposal STEM-CAN Supporters, Inc.

To enhance your educational effectiveness STEM-CAN Supporters (SCS) is offering direct assistance in regular or traditional neighborhood public schools in Southern Arizona. If you are a teacher (not charter nor magnet), you may apply for up to \$600 by emailing this form or copying and snailmailing a paper copy to the above address. Your Principal's expressed approval of the project is necessary. (To electronically fill out this fillable PDF form, you may need to take steps like: Open file, Click 'Fill & Sign', type your answers, Click on 'Send & Track', Click icon for emailing, ...)

PROPOSAL details:

1. What is something that you would like very much to do for or with your students but you cannot currently afford to do it?

Physical Education Heart Rate Monitor System. This system is designed for real time feedback and holds students accountable for their own physical education.

2. In 200 words or less, describe this project, listing the estimated costs of the items of the planned project totaling up to \$600.

This grant would aid the physical education (PE) program at La Cima Middle School (6th-8th grade) in Tucson, AZ. Our Title 1 school has a population of 467 students and includes 85% minorities with 67% Hispanic identifying, 50% females, and 85% that qualify for free and reduced lunch. The PE program serves 250+ students/academic year for one hour per school day. Our hope is to be funded \$8,000-\$10,000 to implement the daily use of Polar GoFit Heart Rate (HR) Monitor Systems. Incorporating HR monitors will further enhance our physical education program in following ways:

- The evaluation of HR will put students in total control of their grade, creating ownership of education and health.
 - Integrates math and technology into PE.
 - Hands on learning will create an understanding of HR zones in real-time and will foster interest in health and STEM career pathways.
 - Invests in the education of potential public health and STEM professionals.
- The long-term changes that our program aims to produce include establishing a better understanding of heart rate zones and how they affect health, the benefits of a healthy lifestyle, creating ownership of learning and education, and integrating STEM into daily lessons.

The short-term changes that this program will produce include students' ability to see their heart rate vs. target heart rate in real-time and create a sense of accountability for their effort.

The goal of this program is to establish an objective method to evaluate effort in PE. Students will see their heart rate and understand the output required to reach their target heart rate. Heart rates will be measured daily and points will be awarded by the percentage of time spent in their target zone. We hope by creating a visual it will bring awareness to their perceived effort vs. actual effort. This allows students to familiarize themselves with their abilities, strengths, and challenges while holding them accountable and taking the subjectivity out of grading.

3. TOTAL cost of proposal: \$8,000-\$10,000

4. My Principal reviewed and approved this project on or about (date Principal approved): March 30, 2018

5. Teacher/Applicant: Nick Wodard Room/grade: MPR/Grades 6th-8th Email: nwoodard@amphi.com

6. Principal: Julie Valenzuela Email: jvalenzuela@amphi.com Phone: (520) 696-6742

7. Public School Name: La Cima Middle School District: Amphitheater Public Schools

8. School Mailing Address: 5600 N. La Canada Dr. Tucson, AZ 85704

9. Email this completed form, or Snail mail a paper copy to SCS at the address above.

STEM-Community Action Network Supporters (SCS) --- basic principles:

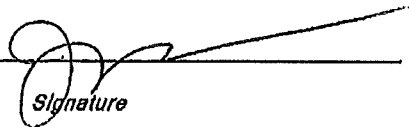
SCS is deeply convinced 'it takes a community' to educate its own youngsters maturely.
All SCS funds and efforts are motivated "For 100% graduation of caring students."
All SCS efforts are approved by the clear authority of the local Public School Principal.
No one knows a school community's needs and joys better than that community itself.
No one, no one, really cares as much about a community's success as that community does.
All SCS funds are directed to enhancing cooperation within the Public School Community

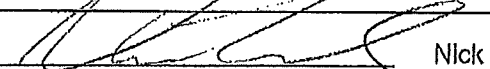
GRANTS PROJECT COORDINATION

PROJECT PROFILE



Forms should be submitted to Michael Bejarano, School Operations

Working title:	STEM-CAN
Target population: <i>(Which schools, grades, staff, etc. are impacted?)</i>	La Cima Middle School Students (6th-8th), and Staff
General problem addressed by the project:	This heart rate monitor system will hold students accountable for their physical education and physical fitness. It also, allows for students to get real-time feedback on their efforts given in class.
Project Synopsis: <i>(Please also attach the proposal abstract or any additional clarifying information needed.)</i>	To enhance your educational effectiveness STEM-CAN Supporters (SCS) offering direct financial assistance to teachers in regular or traditional neighborhood public schools in Southern Arizona.
Source and amount of funding requested:	STEM-CAN Supporters: \$600-\$2,000 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>	The funding will help pay for a heart rate monitor program that allows students to be held accountable for their physical education, rather than subjective grading. The program will involve roughly 80 heart rate monitors, 2 charging stations, and 2 iPads.
District contribution(s):	Balance from athletic and physical education accounts plus the funding from the grant will pay for this program.
Potential partners & their contributions:	No other partners.
Sustainability plan: <i>(Explain how the project will be sustained without committing district funds)</i>	The heart rate monitors are rechargeable, so they will not have to be maintained through changing batteries. The armband straps on the heart rate monitors are machine washable and students will be responsible for broken bands. Finally, the program for the iPad has no annual cost.
Principal/Department Authorization:	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  <i>Signature</i> </div> <div style="text-align: center;"> Julie Valenzuela <i>Name, printed</i> </div> <div style="text-align: center;"> 4/3/2018 <i>Date</i> </div> </div>

Submitted by:			Nick Woodard	4/3/2018
	<i>Signature</i>	<i>Name, printed</i>	<i>Date</i>	
<p>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></p>				
Phone & Email:	696-6790 & nwoodard@amphi.com		Date:	4/3/2018

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

*Must follow district procurement requirements
done 4-4-18*