

# STEM-CAN

STEM-CAN Supporters, Inc.  
[www/STEM-CAN.org](http://www/STEM-CAN.org)

12112 N. Rancho Vistoso Blvd.  
Suite A150, Unit 142  
Tucson, AZ 85755  
[stem-can@msn.com](mailto:stem-can@msn.com)  
Ph. 520 434 9710

January 18, 2018

Dianna Kuhn, Principal  
Rio Vista Elementary School  
1351 E. Limberlost Dr.  
Tucson, AZ 85759

Dear Dianna:

We have received your approval of Vanessa Hill's project. We are happy to support this praiseworthy project to the extent of \$599.71; find enclosed check #1422 in that amount made to your school.

We are proud to support such worthy projects and look forward to helping to get parents and community to take pride in making your school excel even further.

I hope you and your staff enjoy the most important job after parenting.

Have a great 2018,

Stephen Uhl, Ph.D., President  
STEM-CAN Supporters, Inc.  
For 100% graduation of caring students

Enc.:

Check  
Brochure

Cc by email:

[vhill@amphi.com](mailto:vhill@amphi.com)  
[uhldiane@gmail.com](mailto:uhldiane@gmail.com)

## McCullum, Dahlia

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**From:** Hill, Vanessa  
**Sent:** Monday, January 29, 2018 12:59 PM  
**To:** McCollum, Dahlia  
**Subject:** FW: Teacher Project approved--see your principal's USPS mailbox  
**Attachments:** SCS Teacher Assistance Proposal (011218p).doc

See below and attached. ☺

**Vanessa Hill M.A.Ed., NBCT**  
REACH Teacher/Gifted Specialist  
Amphitheater Public Schools  
Tucson, AZ  
**Rio Vista Elementary**  
Monday-Thursday  
(520) 696-5289  
**Wilson K-8 School**  
Friday  
(520) 696-5877



**REACH**  
*Gifted Services*

"If you have good thoughts, they will shine out of your face like sunbeams and you will always look lovely." –Roald Dahl

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**From:** Stephen Uhl [<mailto:stem-can@msn.com>]  
**Sent:** Thursday, January 18, 2018 8:57 AM  
**To:** [thomas.swanson@fwusd.org](mailto:thomas.swanson@fwusd.org); [chad.miller@fwusd.org](mailto:chad.miller@fwusd.org); Rivera Mabel; [mmconne@amphi.com](mailto:mmconne@amphi.com); Hill, Vanessa; Kuhn, Dianna  
**Cc:** Stephen Uhl  
**Subject:** Teacher Project approved--see your principal's USPS mailbox

Important Notice:

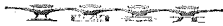
Congratulations; your recent proposal[s] for SCS funds are approved and **funded**.

Please **be alert** to find in your school **Principal's snail mail** a plain window envelope with enclosures sent from Oro Valley (85755) on **current date**.

SCS **never** replaces a lost or misdirected check.

Enjoy your important jobs for a very productive 2018,

Stephen Uhl, Ph.D., President  
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## Teacher Assistance Proposal (P)

To enhance your educational effectiveness STEM-CAN Supporters (SCS) is offering direct financial assistance to teachers in regular or traditional neighborhood public schools in Southern Arizona. If you are a teacher in such a traditional public school (not charter nor magnet), you may apply for up to \$600. Your Principal's expressed approval of the project is necessary. (If you are returning a paper copy of your application, mail to the above address, keeping copies for your Principal and for your own records.)

### 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?

I would like to conduct a robotics unit with my 1st through 5<sup>th</sup> grade REACH students, but cannot afford to purchase the robots on my own.

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

I would like to have my 1<sup>st</sup> and 2<sup>nd</sup> grade identified gifted students use Ozobots as part of the robotics unit. Ozobots allow students to learn basic coding using colored lines. Students would progress through the robotics unit learning about the robot, then using templates for programming, and finally drawing their own colored lines programming the robots themselves. My 3<sup>rd</sup> through 5<sup>th</sup> grade students would work in pairs as they build a hydraulic robotic arm using a wood kit. Once the arm is built, students can manipulate the arm to make it perform tasks. The robotic arm kit not only teaches students about robotics, but helps to strengthen visual-spatial skills, as well as teaches students about levers and simple machines, fluid dynamics, and engineering. Both types of robot support my efforts to incorporate STEM in my gifted curriculum. I would like to purchase 5 Ozobots at \$49.99 each, and 32 Hydraulic Robotic Arm kits at \$10.93 each. All of the items can be reused year after year as part of my Robotics Unit.

3. TOTAL cost of proposal \$599.71

4. My Principal reviewed and approved this project on or about (date Principal approved) 1/17/18

5. Teacher/Applicant Vanessa Hill Room/grade 25A/1-5 email [vhill@amphi.com](mailto:vhill@amphi.com)

6. Principal Dianna Kuhn email [dkuhn@amphi.com](mailto:dkuhn@amphi.com) Phone (520)696-5252

7. Public School name Rio Vista Elementary School District Amphitheater Public Schools

8. School mailing address 1351 E. Limberlost Drive, Tucson, AZ, 85719

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

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### 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.

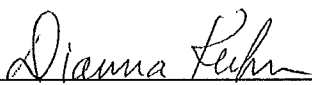
All SCS funds are directed to enhancing cooperation within the Public School Community

GRANTS PROJECT COORDINATION

PROJECT PROFILE



\*Forms should be submitted to Mike Bejarano, School Operations

<b>Working title:</b>	REACH Teacher		
<b>Target population:</b> <i>(Which schools, grades, staff, etc. are impacted?)</i>	grades K-5 identified gifted Rio Vista Elementary		
<b>General problem addressed by the project:</b>	Funds (or lack thereof) for a robotics unit		
<b>Project Synopsis:</b> <i>(Please also attach the proposal abstract or any additional clarifying information needed.)</i>	grades 1-2: ozobots - coding using colored lines. grades 3-5: Hydraulic Robotic Arm kit in pairs (please see attached)		
<b>Source and amount of funding requested:</b>	STEM-CAN Grant COST REIMBURSEMENT GRANT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
<b>Funding will pay for:</b> <i>(People, equipment, materials, training, services, supplies, etc.)</i>	5 ozobots 32 Hydraulic Arm Kits		
<b>District contribution(s):</b>	\$0.00		
<b>Potential partners &amp; their contributions:</b>	STEM-CAN providing funds via grant		
<b>Sustainability plan:</b> <i>(Explain how the project will be sustained without committing district funds)</i>	the ozobots & hydraulic arm kits are reusable		
<b>Principal/Department Authorization:</b>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">               _____              Signature         </div> <div style="text-align: center;">             Dianna Kuhn              _____              Name, printed         </div> <div style="text-align: center;">             1-17-18              _____              Date         </div> </div>		

<b>Submitted by:</b>	<i>Vanessa C. Hill</i>		<u>Vanessa Hill</u>	<u>4/17/18</u>
	<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>				
<b>Phone &amp; Email:</b>	<u>(520) 696-5289</u>		<u>vhill@amphi.</u>	<b>Date:</b> <u>4/17/18</u>

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