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May 2023

Penn State Health Children's Hospital and the American Heart Association are providing a STEM learning opportunity for students in 6th through 11th grade, and we would like to invite your students to participate. The American Heart Association is the largest not-for-profit funding source for cardiovascular and cerebrovascular disease research next to the federal government and understands the pressing need for pursuing careers in STEM (Science, Technology, Engineering and Math) – to invest in STEM so that transformative improvements can be made.

In collaboration with Penn State Health Children's Hospital, we are excited to announce this new opportunity to empower all generations.

Who: All students in grades 6 – 11 who wish to explore STEM outside the classroom

When: September 2023

Where: Penn State Health Children's Hospital, 600 University Drive, Hershey PA

Here's a tentative overview of the STEM Experience:

9:00 – 9:15 AM	Students arrive at Penn State Health Children's Hospital (PSHCH)
9:15 – 9:30 AM	Welcome – American Heart Association & PSHCH Cardiologist(s)
9:45 – 12:00 PM	Tour of the Simulation (SIM) Center - including Hands-Only CPR training
12:00 – 1:00 PM	Lunch (provided by Pediatric Cardiology); simultaneous panel discussion – Medical Professionals Conversation – opportunity for students to ask questions
1:00 – 2:00 PM	Presentation of cardiac imaging, 3D-printing of heart
2:15 PM	Departure

Please submit your essay application to Teresa.devono@heart.org by June 2, 2023.

For more information, please contact Teresa DeVono, Regional Vice President of Development, School Engagement, American Heart Association – Teresa.devono@heart.org

Thank you!

American Heart Association/Penn State Health

STEM Activity

Penn State Health Children's Hospital
600 University Drive, Hershey, PA

Submission Guidelines

Instructions:

1. Qualifying student participants must be in grades 6 through 11.
2. Students must be available to attend the event on a date to be determined in September 2023 at the Penn State Health Children's Hospital in Hershey.
3. Consent waivers are required for each winner and must be completed prior to attending the event.
4. Submit the essay via email to Teresa.devono@heart.org in a **WORDDOC** format please!

Due Date for Submission: Friday, June 2, 2023

Using the topic below, please write an essay (500 words or fewer) on how you would implement a campaign to save lives through CPR education and AEDs. Penn State Health representatives will choose 12 (2 per grade) students to attend the STEM activity based on the essay and qualifications stated above. Winners will be invited to tour the Simulation (SIM) Center, have the opportunity to ask questions to a panel of medical professionals from Penn State Health and learn Hands-Only CPR. Winners will be notified by Friday, August 4.

When someone suffers a sudden cardiac arrest, there are three important steps to improve their chances of survival: 1) immediately start CPR, 2) alert emergency medical services (call 911) and 3) use an automated external defibrillator (AED). These steps helped save the life of Buffalo Bills star Damar Hamlin when he suffered a sudden cardiac arrest on the field. Now, Damar is working to promote CPR education and AED accessibility in schools to save even more lives for generations to come. Describe how you would implement a campaign in your school to spread Damar's lifesaving message and educate your peers about the three steps that saved his life.

Along with your essay, please include your **name, school name, grade level** and **parent phone number**.

Thank you and good luck!



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