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Understanding STEM Teaching Through Integrated Contexts in Everyday Life (USTRIVE) application is open! 6th-12th grade STEM teachers can click here to apply to cohort 3**.**

Understanding STEM Teaching Through Integrated Contexts in Everyday Life (USTRIVE) is a two-year professional development program for 6th-12th grade STEM teachers. The program fosters a STEM knowledge and literacy through the use of a Social Justice Framework (SJSF) that focuses on Socio-Scientific Issues (SSI). **Teachers will earn $3800 each year,** receive a $500 grant for classroom supplies, engage in STEM workshops, design and implement a SSI unit of study and workshop, and gain pedagogical knowledge that connect science literacy and social justice!

Visit arcadia.edu/ustrive and prisephilly.org for more info about the program and email destes@sju.edu with questions

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USTRIVE is hosting a free STEM Educator conference for ANYONE interested in STEM and Social & Environmental Justice education on **May 06, 9am-12:30pm at Arcadia University in Glenside, PA.** Click here to register for the conference. Please share with your networks!

The event will feature Monica Gonzalez as the keynote speaker. Gonzalez is an assistant professor of mathematics education at East Carolina University. She studies equitable mathematics teaching practices and how to help teachers enact these practices in their .classrooms

Participants will engage in hands-on workshops led by 6-12th grade STEM .teachers in our USTRIVE program
Understanding STEM Teaching Through Integrated Contexts in Everyday Life (USTRIVE) means teaching your students lessons grounded in relevant social and scientific problems facing them in their own community. It means helping them .master the skills and concepts necessary to become effective social change agents

Join our USTRIVE team for our free conference to learn about connecting STEM with Social and Environmental Issues in the classrooms.

Email Dorianna at destes@sju.edu with questions and/or visit arcadia.edu/ustrive to learn more about our USTRIVE program.

PRISE is in search of a STEM Educator Network Coordinator VISTA position.
The VISTA will:
1. Identify data management strategies and products.
2. Design data management tools and practices
3. Implement and evaluate the revised tools and practices

The PRISE VISTA position will support organizational capacity so as to recruit and support more highly qualified STEM teachers for the School District of Philadelphia and particularly more STEM teachers of color.
The PRISE VISTA will build a more robust information and communication infrastructure to support PRISE recruitment, retention, and development of STEM educators in the Philadelphia region.

The PRISE office is located at St. Joseph's University. Supervision will take place in-person, virtually, or off-site as the work dictates. Occasional travel within Philadelphia is required.

*For details about AmeriCorps VISTA healthcare benefits, please visit vistacampus.gov/healthcare
To apply visit:
my.americorps.gov/mp/listing/viewListing.do?fromSearch=true&id=117411

The Challenger Learning Center at Montgomery County Community College's Pottstown campus, which opened in August 2022, is a space-themed simulated learning environment designed to engage 5 – 8thgrade students in dynamic, hands-on opportunities to strengthen their knowledge in STEM subjects and inspire students to pursue careers in these fields. For more information on the center, please visit our website: The Challenger Learning Center at Montco Pottstown.

Anyone interested in booking a mission can complete the "Book a Mission" form found on on the website currently booking for the summer/fall 2023 and spring

2024.

Are you a teacher who is successfully engaging Philadelphia students in computer science-- or do you know someone who is?

Submit a nomination for yourself, a teacher you supervise, or a colleague for the Fourth Annual 2023 Computer Science Teacher Awards!

The CS Teachers Awards are presented by CS4Philly in partnership with CSTAPhilly, the Jumpstart Philadelphia CS for All Researcher-Practitioner Partnership, and made possible with generous support from Citizens. The deadline for submitting a nomination is Friday, May 5.

Eligible teachers include those who teach computer science in the City of Philadelphia at the elementary and/or secondary level in a public, charter, or private school in the City of Philadelphia -- AND/OR -- who teach computer science in an out-of-school time program at a school or other learning environment (library, recreation center, YMCA, Boys and Girls Club, place of worship, community-based organization, etc.). CS Teacher Certification is not required.

Submit a nomination for yourself, a teacher you supervise, or a colleague!

To learn more and to access the nomination form, click here.

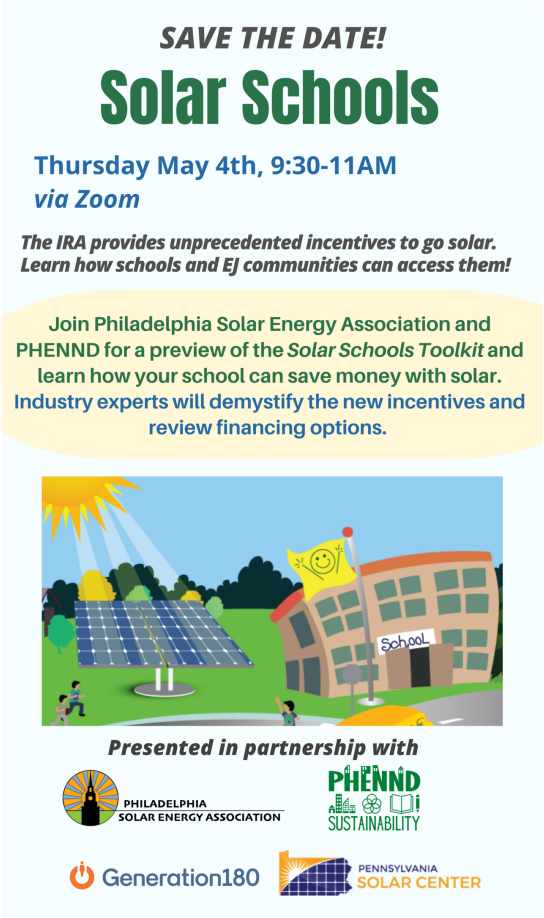
Timeline:

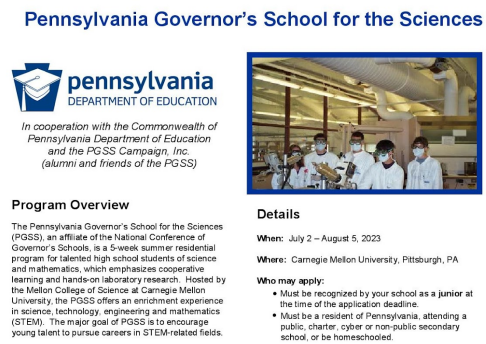
Submission Deadline: Friday, May 5

Award Notifications: Friday, May 12

Awards Presented: Saturday, May 20 luncheon at the CS Principles Showcase, a free, full-day teacher workshop sponsored by Jumpstart Philly CS4All. To learn more, click here.

Questions? Email info@cs4philly.org.





Pennsylvania Governor's School for the Sciences

pennsylvania DEPARTMENT OF EDUCATION

In cooperation with the Commonwealth of Pennsylvania Department of Education and the PGSS Campaign, Inc. (alumni and friends of the PGSS)

Program Overview

The Pennsylvania Governor's School for the Sciences (PGSS), an affiliate of the National Conference of Governor's Schools, is a 5-week summer residential program for talented high school students of science and mathematics, which emphasizes cooperative learning and hands-on laboratory research. Hosted by the Mellon College of Science at Carnegie Mellon University, the PGSS offers an enrichment experience in science, technology, engineering and mathematics (STEM). The major goal of PGSS is to encourage young talent to pursue careers in STEM-related fields.

Details

When: July 2 – August 5, 2023

Where: Carnegie Mellon University, Pittsburgh, PA

Who may apply:

- Must be recognized by your school as a junior at the time of the application deadline.
- Must be a resident of Pennsylvania, attending a public, charter, cyber or non-public secondary school, or be homeschooled.

Academic program
The PGSS academic program has five components:

- **Core courses** – lecture-based courses in biology, chemistry, physics, mathematics and computer science constitute a common educational experience for all PGSS students.
- **Laboratory courses** – each student chooses a hands-on laboratory course in biology, chemistry, physics or computer science.
- **Elective courses** – each student may choose up to three additional courses on various topics in STEM-related fields (topics will vary depending on specific faculty interests).
- **Team research project** – each student chooses a research project, carried out cooperatively with a team of 5-6 students, under the direction of a faculty advisor.
- **Guest lectures & panel discussions** – invited presentations by experts in various STEM-related fields.

Faculty and facilities
The PGSS faculty are recruited primarily from Carnegie Mellon University, and from leading institutions in the surrounding area. The PGSS program of formal instruction and team research is conducted entirely on the Pittsburgh campus of Carnegie Mellon University.

Selection process:

- Application form will be available online at the PGSS website (see URL below).
- Applicant must demonstrate excellence in academic achievement, as evidenced by high school transcript and current report card.
- Applicant must demonstrate sustained interest and involvement in the sciences or mathematics both in and outside of the classroom, as evidenced by resume, essays and letters of recommendation.
- We hope to select up to 72 participants for this year's PGSS class, chosen from the pool of qualified applicants, in order to represent each of Pennsylvania's 29 Intermediate Units.

Cost and commitment:
Successful applicants receive a full scholarship to the PGSS program, which includes housing, meals, and all instructional materials. Families are responsible for cost of transportation to and from the program, personal items and spending money. Students must commit to being in residence on the Carnegie Mellon University campus for the duration of the program. Trips home during the program are not permitted.

Information
For further information, please visit our website:
https://pa-gov-schools.org

The School District of Philadelphia will be launching the application for Senior Year Only Programs. Part of the SYOP program is our very own **Temple Education Scholars**. We will be recruiting 15 students throughout the school district with another 5 spots available for students at charter schools. If possible, could you help spread the word? I've attached the flyer with a QR code that directs students to an interest form but if you find any charter school students who are interested, they can **apply here**

Upward Bound and Upward Bound Math & Science is recruiting for 9th and 10th grade students. I've also attached that flyer with the application. With UB/UBMS we are looking for a math and science after school instructor. This could be an opportunity for any current teachers who can make an after-school, in person commitment. If interested, please have them email me with any inquiries.

Temple is hiring a program manager with Temple Education Scholars. This is a full time, in person position that will support the day-to-day logistics for our scholars enrolled in Temple Education Scholars dual enrollment program. If there is anyone interested, they can **apply here**. I have attached the job description for any applicants to review.

The Bill Berner Physics Teaching Fellowship
UPenn Physics has an opportunity for an early-ish career physics teacher. They would need to teach here for three weeks in July for two consecutive years. The pay is $5,000 per year. The Fellowship also comes with significant curriculum and instruction support from us. Use this application form to apply and learn more.

careers.drexel.edu/en-us/job/497872/camp-counselor-the-academy-of-natural-sciences

The Abramson Cancer Center of the University of Pennsylvania welcomes applications from rising high school juniors and seniors in Philadelphia public schools to its third annual Summer Healthcare Experience (SHE) in Oncology program, sponsored by the American Cancer Society (ACS).
SHE in Oncology is an introduction to cancer biology and the wide range of career opportunities in cancer research, clinical care, and patient support. This 2-week online program provides the opportunity to network with peers and faculty from our partner sites hosting their own SHE in Oncology programs: Universities of Texas at Austin, Kentucky, Chicago, and Michigan.
Additional details about the program and a link to the online application can be found here.
Application deadline: April 28, 2023.

Widener University is happy to announce the dates for our Engineering Summer Camps! We are hosting our Engineering Summer camp from June 20-23 and our Robotics Engineering Summer Camp from July 24-27! High school students will have the opportunity to learn from faculty and current engineering students from Widener University. Please see the below announcement and attached flyer. Thank you!

Attend Widener Engineering Summer Camps for HS Students!!

Secure your spot in Widener University's Engineering Summer Camp or Robotics Engineering Summer Camp, open to all high school students. Experience life as an engineer through lab projects, demonstrations, activities, and computer workshops, all led by Widener professors! Resident Camp is back and students have the opportunity to stay over in the dorms!

ENGINEERING SUMMER CAMP
Dates:
Resident: June 19-23 | Day: June 20-23
Register by: June 5
Cost: Day, $450; Resident, $900
Save up to $100 when you register by April 28.

ROBOTICS ENGINEERING SUMMER CAMP
Dates:
Resident: July 23-27 | Day: July 24-27
Register by: July 10
Cost: Day, $450; Resident, $900
Save up to $100 when you register by June 15.

Nancy Peter, the Director of PEF's McKinney Center for STEM Education, will present "Simply STEM!" on Monday, May 8, from 4-5:30 PM. In this virtual workshop, educators will explore a collection of simple, low-tech, low-cost, engaging, and easy-to-implement STEM activities. Specific topics and activities will include natural science 20 questions, animal classification, a values clarification exercise, and small-group machine pantomimes.

This workshop will also provide context including regional and national STEM trends, priorities, standards, and outcomes. Why is STEM education now so critically important? What are some statewide and national priorities? Which STEM standards should we be aware of and aligned with? And how are we measuring our positive impact on programs, educators, and students?

- This workshop is open to all educators!
- This is the Zoom link: https://us02web.zoom.us/j/2098683698?pwd=ZWhpcnpUNHdKdlBKMTBmOWU1cDE0Zz09
- Pre-registration is preferred but "walk-ins" are welcome: https://www.surveymonkey.com/r/SimplySTEM
- For additional information, please contact Nancy Peter at npeter@philaedfund.org or 215-760-5308.

IoT4Ag
The Internet of Things for Precision Agriculture
an NSF Engineering Research Center

RESEARCH EXPERIENCE FOR TEACHERS (RET)

Hosted by the Internet of Things for Precision Agriculture Center

Program dates: June 20 - August 18 (8 weeks)

Program location: University of Pennsylvania

Who is eligible: Philadelphia-based K-12 STEM teachers

Program details:

- RET participants will receive an **$8,000 stipend**, along with a parking/transportation supplement for the summer and access to a $1,000 materials budget for sensor and robotics kits
- RET participants are expected to commit **200 hours over eight weeks** of the summer
- Half of participants' time will be spent **conducting research** with a Penn Engineering project in the IoT4Ag Center (e.g.sensors, robotics, energy and communication devices)
- Half of participants' time will be dedicated to training on K12 agricultural sensor and robotics kits, plus **developing curriculum** to use the kits in the classroom and for wider distribution via TeachEngineering.org

HOW TO APPLY:

Submit a resume and letter of interest via the Application Form
by Friday April 21, 2023 at 5:00 pm ET

www.IoT4Ag.us/RET

For more information, email us at IoT4Ag@seas.upenn.edu

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Websites

Philadelphia Regional Institute for STEM Educators (PRISE): prisephilly.org
Understanding STEM Teaching Through Integrated Contexts in Everyday Life (USTRIVE): arcadia.edu/ustrive

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