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**Understanding STEM Teaching Through Integrated Contexts in Everyday Life (USTIC) Newsletter** | Issue 3 | Spring 2025 | Archive: https://ustic.org/news-updates-issues-3 | Web version: ustic.org/3 **For more info or web meetings contact us with questions.**

USTIC

UNDERSTANDING STEM TEACHING THROUGH INTEGRATED CONTEXTS IN EVERYDAY LIFE

# 2-YEAR STEM TEACHER PROFESSIONAL DEVELOPMENT PROGRAM

Earn $3600+ each year
Gain new pedagogical knowledge that connects science lessons to real life contexts

4-12th Grade Philadelphia-Area STEM Teachers can find out more at ustic.org/ustic/ustic-teacher-program

Contact Elena or Alexandra at:
elena@drexelfox.com | alexandra.ostrowski@drexel.edu
with Informal Learning, Museum Colleges and the Philadelphia Regional Alliance for STEM Education (PRAE) at Drexel University in mind!

Drexel Fox Group
Drexel University

USTIC is a two-year professional development program that seeks to foster STEM Knowledge and Literacy through the use of a Social Justice STEM Framework (SJSF), focusing on Socio-scientific Issues (SSI).

## 2023-24 ACADEMIC YEAR SCHEDULE

**OCTOBER/NOVEMBER/DECEMBER THURSDAY, FRIDAY: 3:00PM,** SUMMER/APRIL/MAY/JUNE/JULY/AUGUST
**JANUARY/FEBRUARY/MARCH: 3:00PM, 4:00PM, 5:00PM**
(NOTE: OCTOBER, NOVEMBER, DECEMBER, JANUARY)

**OCTOBER/NOVEMBER/DECEMBER 3:00PM:** PLC CHAT
**OCTOBER/NOVEMBER/DECEMBER 4:00PM:** INTERDISCIPLINARY TIME IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 5:00PM:** CONFERENCE, IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 6:00PM:** INTERDISCIPLINARY TIME IN PERSON

**OCTOBER/NOVEMBER/DECEMBER 7:00PM:** PLC CHAT
**OCTOBER/NOVEMBER/DECEMBER 8:00PM:** CONFERENCE, IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 9:00PM:** INTERDISCIPLINARY TIME IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 10:00PM:** INTERDISCIPLINARY TIME IN PERSON

**OCTOBER/NOVEMBER/DECEMBER 11:00PM:** PLC CHAT
**OCTOBER/NOVEMBER/DECEMBER 12:00PM:** CONFERENCE, IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 1:00PM:** INTERDISCIPLINARY TIME IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 2:00PM:** INTERDISCIPLINARY TIME IN PERSON
**OCTOBER/NOVEMBER/DECEMBER 3:00PM:** CONFERENCE, IN PERSON

Students then process data, the ability to make informed decisions, analyze, synthesize, and evaluate varied sources of data and information, use moral reasoning to attend carefully to ethical issues, and understand the complexity of connections inherent in SSI" (Zeidler, 2014, p. 697).

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# STEM EDUCATOR CONFERENCE

Saturday, May 06, 2023
9:00 AM - 12:30 PM.

JOIN US HERE

Arcadia University, Glenside, PA.

Find out more about the USTIC program at ustic.org/ustic/ustic-program-at-a-glance
Contact Elena at elena@drexelfox.com

Drexel Fox Group
Drexel University

**PRESE is a search**, a STEM Education Network Coordinator VISTA position. The PRESE VISTA position will support organizational capacity as we to recruit and support a network of STEM education organizations. The successful candidate will participate much STEM outreach of Lehigh. The VISTA will report to the PRESE Program Director and work closely with the Lehigh University Office of Community Partnerships. Infrastructure to support PRESE recruitment, retention, and development of STEM organizations. Assist with the PRESE Year 1 Plan, Year 2 Plan, and Year 3 Plan, strategies and priorities. 2) Design data management tools and practices. 3 Implement and evaluate the revised tools and practices The PRESE office is located at St. Joseph's University in Philadelphia, PA. Lehigh University is about 90 min. drive or by train or shuttle. Occasional travel within Pennsylvania.

*For details about AmeriCorps VISTA healthcare benefits, please see* https://www.nationalservice.gov/healthcare

*For details about PRESE,* https://www.drexel.edu/soe/news-events/events/2022/March/PRESE-Info-Session-Lehigh/

**Riverbend** a startup that recruiting process for hiring two new environmental educators to work with students in the Philadelphia area. Riverbend is a startup and we are starting up in some of our contacts for help. The ER Weiss is a 501 nonprofit that provides. It is specially of interest to students who have recently graduated from college and are looking for a meaningful experience in the field.

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The Science Center is now accepting applications for **Building an Understanding of Lab Basics (BULB)**, being held online this summer.
The 4-week hybrid program aims to engage and expose more Philadelphia residents to STEM careers and research. Participants will learn about the Science Center's mission, lab resources, and financial literacy skills from incredible educators at UCLA Institute, Harlandale University and Citizens Scientists! graduate and receive a stipend, credits to some materials and a STEM center to enhance their professional skills.
Requirements for applying: Applicant **MUST** have a high school diploma or GED and be a resident of Philadelphia.
Please see attached flyer and link below for additional details.
https://www.sciencecenter.org/programs/workforce-development

BULB
Building an Understanding of Lab Basics
April 5th - May 30th
APPLY NOW

Why Apply
Participants Receive

Requirements
Contact

Citizens

**SUMMER RESEARCH EXPERIENCE FOR TEACHERS** at The University of Pennsylvania
Lab setting to make use sheet of an excellent professional development program **for high school teachers** supported by the National Science Foundation an Pennsylvania Regulatory is from 2021. Specific program dates are June 28th - July 30th.

The **Center for Engineering MechanoBiology (CEMB)** is recruiting for 5th 6th Summer Research Experience for Teachers to introduce high school science teachers to topics in cellular biology, molecular biology, bioengineering, the mechanics of biological materials, and the use of STEM research and engineering design in the analysis of plant cell growth and growth. The program includes a week-long workshop focusing on interdisciplinary content relevant to the high school science curriculum and a research experience in the laboratory of a CEMB PI. The program is weeks mentor teaching and is a first research and is a specific research project. Participants will be provided with a stipend of $4,000 for their participation. The integrated into their teaching practice in the following academic year. Along with the research experience, participants will receive a $4,000 stipend, also additional financial aid and resources to facilitate classroom integrations.

A description and the Online Application can be found on our website: https://sas.upenn.edu/cemb/summer-teacher-research-experience The application deadline is **April 15, 2023.**

CEMB
Penn
SUMMER RESEARCH EXPERIENCE FOR EDUCATORS IN MECHANOBIOLOGY
Center for Engineering MechanoBiology
University of Pennsylvania
Apply Now
Deadline: April 15, 2023
Program Dates: June 28 - July 30, 2023
Program Location: Philadelphia, PA
Program Overview
Participant Benefits
Eligibility
Apply Now
Contact Us
Contact Us
Contact us at cemb@sas.upenn.edu
Center for Engineering MechanoBiology
Department of Biology
Department of Mechanical Engineering and Applied Mechanics
School of Arts and Sciences
School of Engineering and Applied Science
University of Pennsylvania
Philadelphia, PA 19104

**The Challenger Learning Center** at Montgomery County Community College's Pottstown Campus is a STEM center that uses space exploration and problem-based learning environment designed to engage 4th - 8th grade students in science, hands-on opportunities to strengthen their knowledge of STEM subjects and inspire students to explore careers in STEM fields. Please see the attached flyer and visit our website: The Challenger Learning Center at Pottstown

Anyone interested in making a mission can complete the "Book a Mission" form found on our website: Book a Mission. Please contact us with any questions. Thank you!

LUNAR QUEST
Challenger Learning Center
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**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.**

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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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