

nCASE Dr. Stephen M. Priselac Summer STEM Teacher Training Institute

In Partnership with California University of Pennsylvania and DoD-Picatinny Arsenal, NJ

2022



WHO?

STEM high school teachers

WHAT?

Inquiry and design training with STEM learning modules

WHEN?

June 19-July 1, 2022 (two-week residential)

WHERE?

California University of Pennsylvania

IS \$\$ FOR REAL?

Yes! \$500/week, room, board, and a free module for participants who complete the program

Summer fun, learning and a paycheck, what's not to like?



Yes, you read that right. The National Center for the Advancement of STEM Education

(nCASE), the U.S. Department of Defense (DoD) and California University of Pennsylvania (CALU) are inviting select teachers for special training in science, technology, engineering, and mathematics. There's a good stipend, plus all expenses are paid for participants. Build your own high school STEM team now—two teachers, one math and one science and/or technology. The exciting two-week summer residential program will feature two STEM learning modules, one developed at Northwestern University (Smart Sensors) and one developed by nCASE (Math with Robots I).

While studying the Smart Sensors module, teachers will make, test and evaluate a variety of sensors. Teachers will use their new knowledge to design smart sensors relevant in the 21st-century digital age.

While studying the Math with Robots I module, teachers will examine attributes of different wheels and gears and prepare for the robot challenge activity.

During the second week, participants will implement their newfound skills

during a summer institute for 48 students.

Each science teacher will receive one Smart Sensor module to teach a class of 24 students. Each math teacher will receive a robot and resource module to utilize in the classroom.

If possible, please bring your laptop/tablet, cell phone, and all required cables.

The intensive residential training includes long days and opportunities for groups to meet in the evening. To gain the most from the training, participation at meals and meetings is mandatory. You are welcome to bring one adult guest (at your expense), but time outside the training is limited.

If you want to get paid to have fun while learning this summer, don't wait, contact your DoD Point of Contact (POC).

Teachers from the following states will be selected by Points of Contact from the DoD, nCASE or CAL U:

Alabama
California
Florida
Maryland
Michigan
New Jersey
Pennsylvania
Rhode Island
South Carolina

Deadline to Apply: April 15, 2022

Leadership Sponsors:



CAL U

- Department of Defense (Army) - Picatinny Arsenal, NJ
- National Center for the Advancement of STEM Education
- California University of Pennsylvania

WHAT'S YOUR STEM TYPE?



ADVISOR

Advisors are focused on improving the quality of life for people and animals.



DESIGNER

Designers envision and plan products, solutions, and projects.



EXPLORER

Explorers use science to make basic discoveries about the world around us.



INTEGRATOR

Integrators range from supervisors of small teams to CEOs of major organizations.



INVESTIGATOR

Investigators gather information about situations, evaluate it, and put together a plan of action.



MAKER

Makers are involved in many different aspects of construction.



PRODUCER

Producers typically use complex machinery in their work, usually in industrial settings.



SOLVER

Solvers prepare, repair, and install products.

DISCOVER YOUR STEM TYPE!

Take the **STEM Type Quiz** to explore career opportunities that will let you **#DoWhatYouLove!**

Visit STEMtype.STEMjobs.com today!