C-STEM PD™
1-Week Workshop
on Arduino, Raspberry Pi, and Robot Sensors

This 1-Week Workshop on Arduino, Raspberry Pi, and Robot Sensors provides professional development for K-14 teachers on electronics, sensors, and physical computing. Participants will learn the easiest way to get started tinkering with electronics using Arduino and Raspberry Pi. Then they will learn how to integrate advanced robot sensors with Linkbot, Arduino, and Raspberry Pi to create sensor-based robotic systems.

## First 3 Days: Linkbot with Arduino & Raspberry Pi

- Explore classroom-friendly robotics and making technologies and how to bring them to your classroom or afterschool programs.
- Discover how to build and easily test circuitry using breadboards, Arduino, and Raspberry Pi.
- Learn working principles of various sensors for physical computing.
- Integrate electronic sensors and data into your classroom teaching.

Cost: $600 Per Teacher
Includes: Arduino Starter Kit, Raspberry Pi Starter Kit, Uno and Pi Sensor Pack, *Learning Physical Computing with Arduino for the Absolute Beginner* textbook, and lunch

Last 2 Days: Robotic Systems with Sensors

- Experiment with 11 different robotic sensors.
- Create your own remote-controlled linkbot robotic systems.
- Learn to integrate science and data acquisition with coding and robotics to build advanced sensor-based robotic systems.
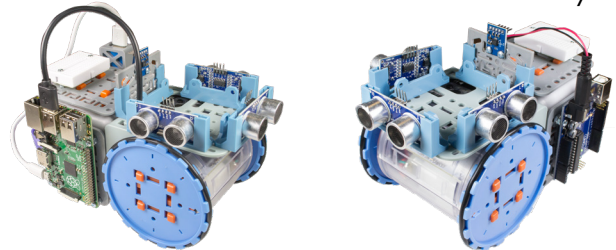
Cost: $400 Per Participant
Includes: Linkbot Uno Pack, Robot Sensor Pack, Pan-Tilt Pack, and lunch

CEU credits are available to participants of the whole week!

Registrater online at http://c-stem.ucdavis.edu/pd by July 12, 2019

Location:
UC Davis
Bainer Hall 2071
1 Shields Ave
Davis, CA 95616

Date:
8:30am-4:30pm
Mon-Fri
July 22-26, 2019

For more information, contact:

info@c-stem.ucdavis.edu
(530) 752-9082
http://c-stem.ucdavis.edu

UCDAVIS
C–STEM Center

* If you have no prior computer programming experience, we recommend that you also attend the C-STEM 1-Week Institute on Integrated Computing and STEM Education June 24-28, 2019