



C-STEM PD Summer Workshop

C-STEM Summer Workshop on Arduino and Sensor-Based Robotics

This workshop provides professional development for K-12 teachers on electronic circuits, sensors, and their applications with robotics and physical computing. Using ChArduino, RoboBlockly, and ChIDE, participants will gain first-hand experience working with robotic sensors and building advanced sensor-based robotics systems. This workshop will also serve as preparation for educators who are implementing the following A-G approved C-STEM Honors Math courses in the C-STEM Math-ICT High School Curriculum:

- Algebra 1 with Computing and Robotics Honors (C-STEM)
- Geometry with Computing and Robotics Honors (C-STEM)
- Integrated Mathematics 1 with Computing and Robotics Honors (C-STEM)
- Integrated Mathematics 2 with Computing and Robotics Honors (C-STEM)

What You'll Need:

In order to participate in this workshop, participants must have the following equipment. Note that participants may either purchase the complete kits **with their registration** or use their existing components.

- Linkbot Complete Kit

Cost: \$500

Register at: <http://c-stem.ucdavis.edu/pd>

5 Interactive 4-Hour Online Sessions

July 19 - 23, 2021

1:00 pm - 5:00 pm PST

Register by **July 9th, 2021**

If you have no prior computer programming experience, we recommend that you attend the C-STEM Summer Institute before attending this workshop.

UC DAVIS C-STEM Center

For more information, contact:
info@c-stem.ucdavis.edu
(530) 752-9082
<http://c-stem.ucdavis.edu/pd>



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