



The 1-Day Workshop on Raspberry Pi/Arduino will introduce teachers to:

- Maker-friendly technology for interfacing hardware and software in the classroom
- C-STEMbian – a free open source Linux operating system
- Integrating Arduino technology with Raspberry Pi
- The Raspberry Pi GPIO Viewer for interfacing with the 40 General-Purpose Input/Output (GPIO) pins on Raspberry Pi
- The Ch WiringPi Package for programming Raspberry Pi
- Using physical computing to control electronic components like LEDs and buttons

C-STEM PD 1-Day Workshop

The free C-STEM 1-Day Workshop on Raspberry Pi/Arduino will provide K-14 teachers with hands-on experience on how to integrate ultra-low-cost computers of Raspberry Pi (for as low as \$5) and Arduino into their classroom teaching of STEM, computer science, making, and robotics courses. This 1-Day Workshop will give the participants the skills and knowledge necessary to get creative with physical computing and making, no matter their experience level.

"I will bring what I learned back and incorporate it into professional development workshops. Everything we did today will be of great value to those educators also. I liked the software. It was much easier to use than what comes packaged with Raspberry Pi and Arduino. I particularly liked the uniformity in programming for both boards." - **Douglas Cairns, Tulare County Office of Education**

"My brain was filled to the brim with computer science and inspiration. I think I retained almost all of it – for a person that has very minimal experience with computer programming and robotics, the content was perfectly absorb-able." - **Veronica Stewart, Trinity Center Elementary**

Registration

- c-stem.ucdavis.edu/pi
- **Registration Deadline:** June 10, 2017. We will notify applicants shortly after the registration deadline
- **Cost:** Free
- Each participant will receive a **Free** C-STEM Starter Kit with Raspberry Pi and Arduino from Vilros

Date and Time

June 24, 2017 8:30 - 4:30

Location

UC Davis, Bainer Hall, Room 2121A

UC DAVIS
C-STEM Center



For more information, contact
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