



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

- Maker-friendly technology
- A range of ideas for interfacing hardware and software in the classroom
- C-STEMbian – a free open source Linux operating system based on Raspbian for Raspberry Pi
- 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 to interface with its 40 GPIO pins
- 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 use the freely available C-STEMbian with C-STEM Studio and RoboBlockly, as well as C-STEM integrated curriculum with interactive computing, programming, and robotics that aligns with the Common Core Math and ICT Sector standards to develop students' 21st century problem-solving skills and better prepare students for college and careers. This 1-Day academy will give the participants the skills and knowledge necessary to get creative with computing, no matter their experience level.

### Registration

- <http://c-stem.ucdavis.edu/c-stem-1-day-workshop-on-raspberry-pi/>
- Due to limited availability, we may be forced to turn away many excellent educators. If you are not selected, we hope that you will apply again in the future
- **Registration Date:** April 21, 2017. We will notify you shortly after the registration deadline
- **Cost:** Free
- Each participant will receive a Raspberry Pi/Arduino kit with sensors from Vilros for free

### Date and Time

April 29, 2017 8:30 - 4:30

### Location

UC Davis, Bainer Hall  
Room TBA

**UC DAVIS**  
C-STEM Center



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California Department of  
**EDUCATION**

