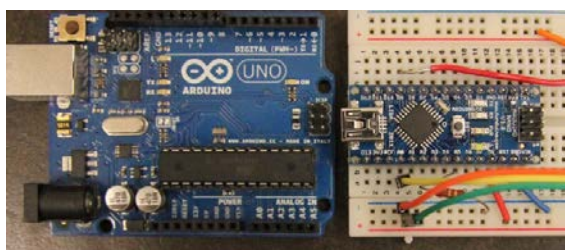


Professional Development Workshop – suitable for  
Science 10, Physics 11/12, Tech Education, Art Teachers, and  
 Anyone else interested in bringing Electronics into the classroom.

## Electronics in Your Class – Arduino Boards and Sensors for Creative Projects



**Fri May 10<sup>th</sup>, 2013 9am-3pm**

***Department of Physics & Astronomy  
 University of British Columbia***

This workshop will give you hands-on time to explore the use of programmable electronics using the Arduino Microcontroller Kit, a low-cost electronics board which has been the basis for countless projects documented online. There will also be an introduction to a variety of sensors, motors, and other devices which will allow for the design and fabrication of useful projects by your own students.

**Sample Projects** Google “Arduino DIY Projects”  
 Arduino-controlled singing plants!  
 Arduino-enabled cat lasers!

**Registration** <http://outreach.phas.ubc.ca/workshops/>  
**Registration fee** \$20 for registration and lunch  
 \$70 for registration and lunch, plus an arduino kit, and a selection of sensors, motors and electronics parts to take home after the session.  
 All fees already include taxes.

**Bring A Laptop** Attendees will install software and use their own computers.  
 A limited number of computers will be available on-site.

### Workshop Agenda

9 :00-12noon	Arduino Workshop (a <a href="#">version of this session</a> has been given to 350+ first-year engineering students)
12:00-1:00pm	Lunch
1 – 2pm	Sensors, Motors and Actuators (samples of various components and a walk-through of online sources of equipment)
2 – 3pm	Ideas and resources with electronics and software for low-cost high-creativity projects