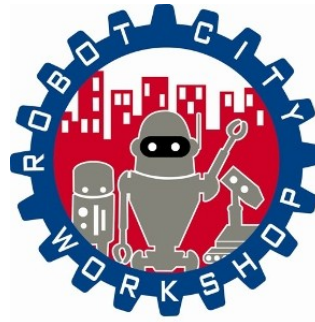
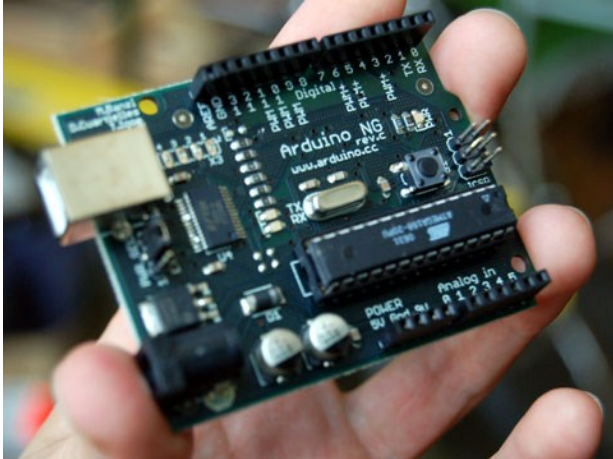


ROBOTCITY WORKSHOP

Microcontroller classes are the easiest way for you to learn how to design, build, and program robots and circuits using Arduino boards for anything you'd like to do! This all inclusive class will take you from beginner to expert even if you have no previous experience with electronics.

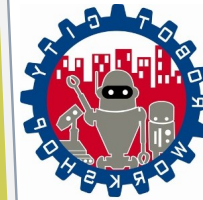


Microcontroller basics will be covered throughout this course using the Arduino Deulimino control board, an “open source electronics prototyping platform that’s taking the design and hobbyist world by storm.” You’ll learn about:

- Interactive design and physical computing
- The Arduino Hardware development environment
- Making a basic circuit and it’s control system



MICROCONTROLLER CLASSES



ROBOTCITY WORKSHOP

3226 N. SHEFFIELD AVE CHICAGO IL
773.281.1008

www.robotcityworkshop.com

Microcontroller I

Monday 5 pm - 7 pm

\$99

Microcontroller II

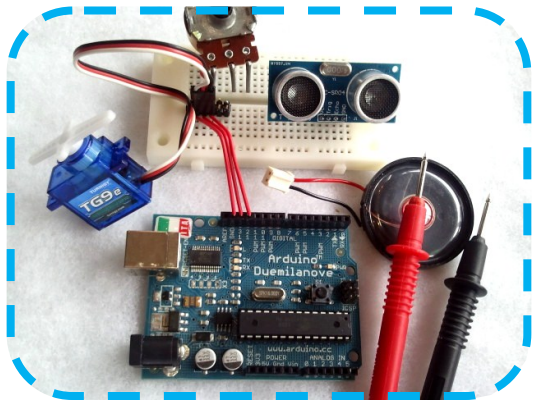
Monday 5 pm - 8 pm

\$125

MICROCONTROLLER I

You will learn how to set up, write, compile and upload programs to the microcontroller. You will also learn about how to use the Arduino to control electronic devices, such as LEDs, Buttons, Limit Switches, Speakers, Servo Motors, Ping sensors and more. You will learn how the microcontroller accepts inputs from sensors, runs programs and sends outputs to external devices.

Microcontrollers are fundamental tools of robotics, learning these basics will help you advance in the field. With this knowledge, you can apply them with variety project purposes.

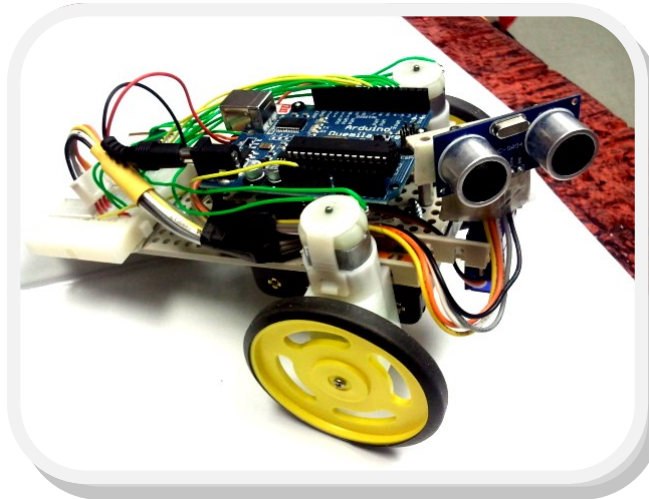


Learn how to control LEDs, motors, sensors and more!

MICROCONTROLLER II

Tailor made for the mad scientist...

Have you ever wanted to design and build a robot from your own imagination, not just a kit? With Arduino Microcontrollers, like the Duemilanove, you can create a sweet hearted robot to help around the house or a warrior

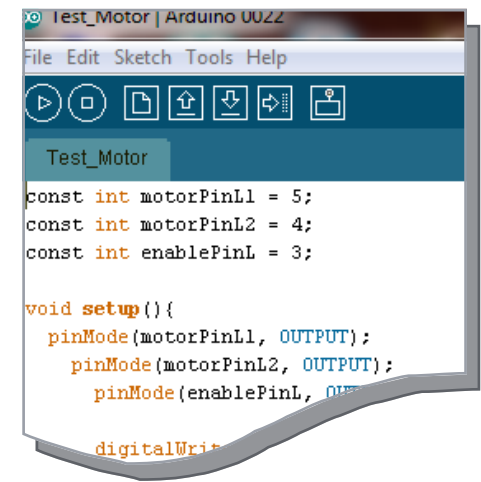


DODGER

(Duemilanove Object Detection Ground Exploration Robot)

In our advanced robotics class, you will learn how to build and program Dodger (Duemilanove Object Detection Ground Exploration Robot), automatically runs and avoids obstacles. There are many systems in there, such as, Servo-motor controlling, Ultrasonic-Sensor system and others.

You will learn how to build, wire and program servo-motors, ultrasonic sensors, and more to produce a symphony of systems to make your robot run smoothly and efficiently. You can also come up with your own algorithms, so this robot can do nearly anything!



Learn how to program microcontroller