

## Robotics Kits (two options)

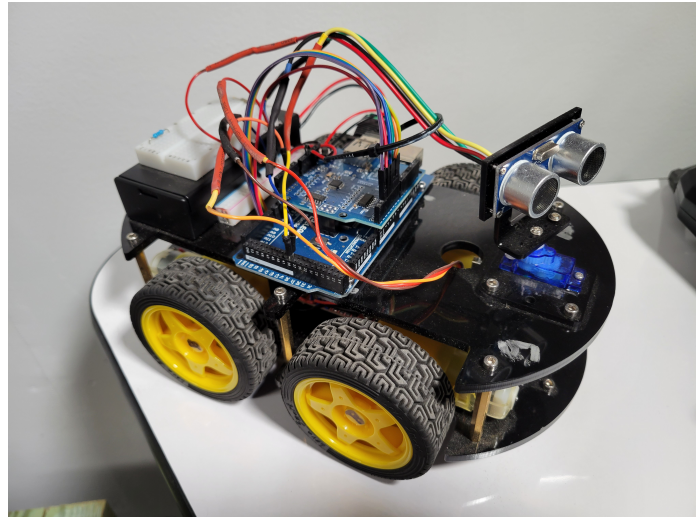
### **Option One: Johnny Five Robot Kit**

This kit is a custom sourced kit created by Steam Power For Kids. It is intended to be used for hands-on projects to teach students about batteries, charges, electricity, electronic circuits, wiring, sensors, wireless communication, coding, drive methods and fabrication.

This kit can be dis-assembled and re-used for future classes. The cost of the basic kit is \$225.

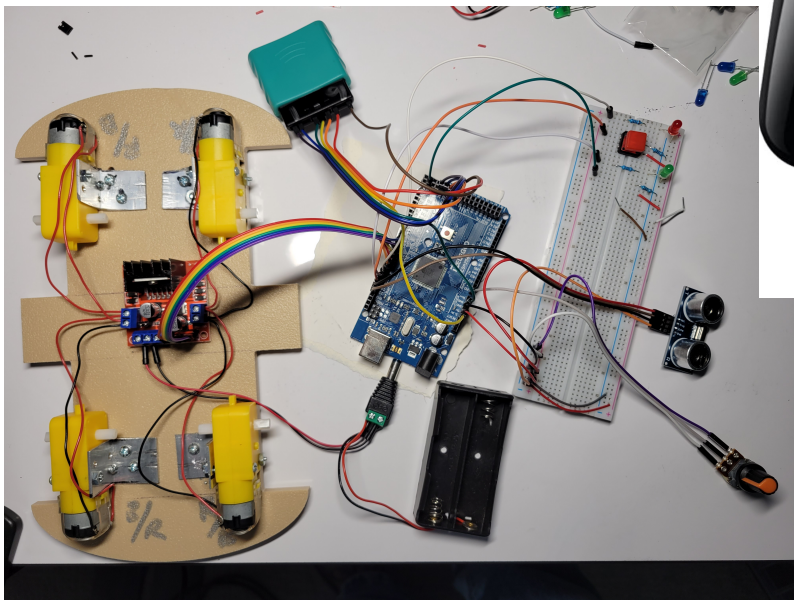
#### Johnny Five Robot Kit Includes:

- Arduino Microprocessor
- PS2 Wireless Controller
- LN298 Motor Controller
- (4) DC Geared Motors
- (4) Wheels
- Robot Chassis (Top and Bottom)
- Battery Box and Power Jack
- (2) 3.7Volt Batteries with Charger
- Assorted Jumper Wires
- Alligator Wires
- Breadboard
- Assorted LEDs
- Assorted Resistors
- (3) Click Buttons
- (2) Ultrasonic Sensors
- One servo
- (1) Potentiometer – 3 wire



#### Advanced Add-ons for Johnny Five kit Include:

- Camera - \$50
- Advanced Sensor Kit - \$60
- Android Controller and Bluetooth - \$100



## Option Two: Vex Robotics IQ kit

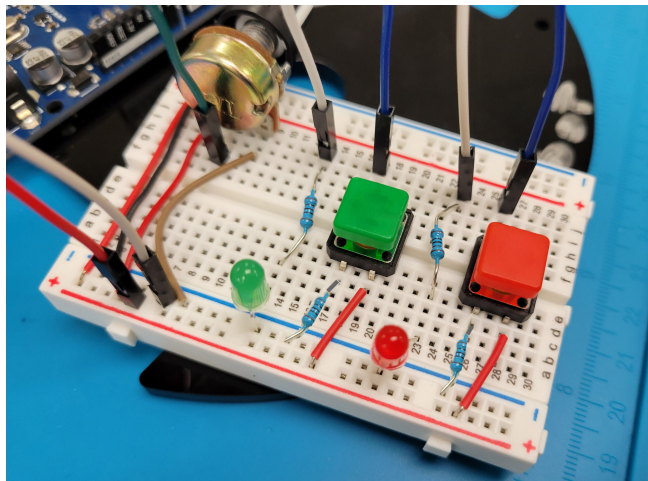
VEX IQ is a snap-together robotics system, making it fast and easy to build an endless variety of robots. Watch code come alive on a physical robot and apply key STEM skills.

- Organized parts storage reduces classroom clutter
- IQ Electronics are Simple, Flexible and Powerful
- Students can build and change their robots fast
- Parts, Electronics and Curriculum are integrated together
- VEXcode software supports Block, Python and C++ (no installation required)

More Information at [vexrobotics.com](http://vexrobotics.com)

This kit can be dis-assembled and re-used for future classes. The cost of the basic kit is \$475, which includes the the additional hands-on teaching items as in Option One;

- Battery Box and Power Jack
- (2) 3.7Volt Batteries with Charger
- Assorted Jumper Wires
- Alligator Wires
- Breadboard
- Assorted LEDs
- Assorted Resistors
- (3) Click Buttons
- (2) Ultrasonic Sensors
- One servo
- (1) Potentiometer – 3 wire



Electronics 1

