Trinket Reference Sheet Eli Whitney Museum / Week 6

Name:

link tiny.cc/rover6



Robot Functions:	Setting Up Arduino at Home
<pre>rover(leftPin, rightPin); start(); stop(); straight(-60 to 60); turnL(-60 to 60); turnR(-60 to 60);</pre>	 Go here: <u>tiny.cc/rover6</u> Download the Arduino software (it'll take a while). Download your programs. Download and install the library. In Arduino, choose <u>Tools > Board > Adafruit Trinket 8</u> <u>MHz</u> Then choose <u>Tools > Programmer > USBtinyISP</u> Remember to press the reset button before uploading.
<pre>rotate(-60 to 60); // cal values are 0 to 1 cal(left, right)</pre>	Buying Components at Home Adafruit sells the Trinkets, as well as many other components. www.adafruit.com
Windows You need to install a driver. It is in the "usbtiny-driver" folder. Run the	You can also get components at Sparkfun, RobotShop, Pololu, or your local Radioshack. A part list is posted on the class web page.
Installer.	Alternative Code Editor
You might get an error telling you that the program is damaged. It isn't. Control-click on the app and select "Open". If that doesn't work, Open System Preferences > Security > "Allow apps downloaded from:" Anywhere .	You can also check out <u>https://codebender.cc/</u> , a free online code editor for the Arduino. You'll have to install a browser extension, and make sure you select "Adafruit Trinket 8MHz". Click the [+] button to add the library files.