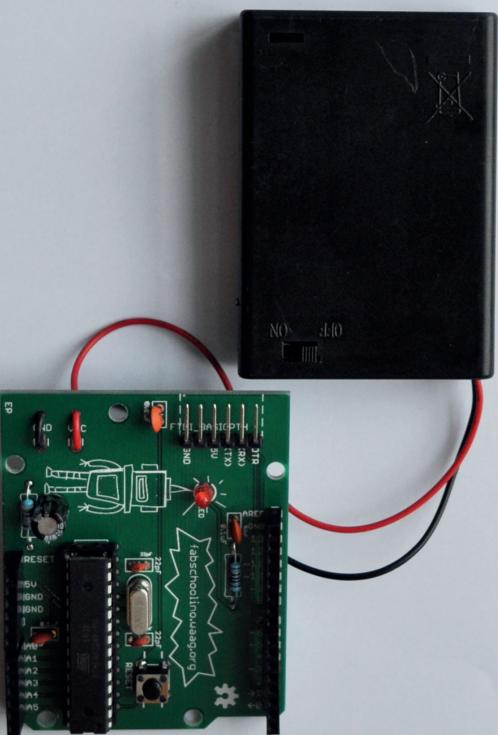


# Benodigdheden

Programmeer kabel



Fabschoolino



USB connector



Dit is een overzicht van alle componenten uit zakje 2 plus de Fabschoolino uit de Fabschoolino basiskit van Waag Society. Begin je net aan de Instructable? Check dan voor alle zekerheid of je alle bovenstaande benodigde materialen hebt.

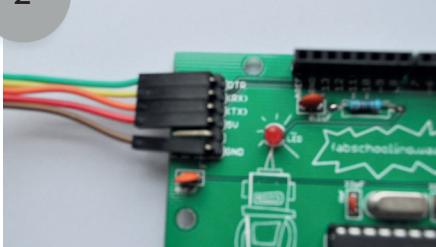
# Programming your Fabschoolino

1



Attach the programming cable to the USB connector. Place the colours as pictured above. Brown / gnd, no cable in the CTS, red / 5v, orange / TXD, yellow / RXD, and green / DTR

2



Attach the other end of the programming cable to the Fabschoolino FTDI as pictured above. Brown / gnd, skip over a pin, red / 5v, orange / TX, yellow / RX, and green / DTR

3



Make sure you take the battery out of your Fabschoolino. Then insert the USB into computer where you'll be programming. The indicator of the USB connector should light up.

4



Download the Arduino Software



CONNECT, COLLABORATE, CREATE. Learn more about the Create platform.

Try out the new  
Arduino Web Editor

ARDUINO SOFTWARE  
VERSION 1.6.12

LAST UPDATE  
4 October 2016 14:52:59 GMT

ARDUINO 1.0.6 / 1.5.x / 1.6.x  
DEVELOPMENT RELEASES

In order to program, you'll need a something called a "compiler". You can download the compiler at <https://www.arduino.cc/en/Main/Software>. To download the Mac version, click on the link (as pictured above).

# Programming your Fabschoolino

5



## Support the Arduino Software

Consider supporting the Arduino Software by contributing to its development. (US tax payers, please note this contribution is not tax deductible). [Learn more on how your contribution will be used.](#)

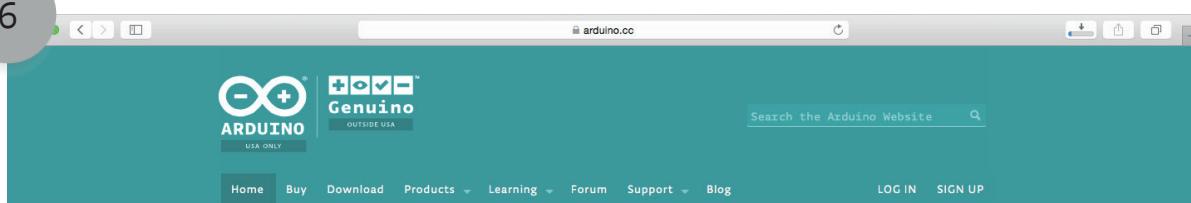
SINCE MARCH 2015, THE ARDUINO IDE HAS BEEN DOWNLOADED  
**10,613,411** TIMES. (IMPRESSIVE!) NO LONGER JUST FOR ARDUINO AND  
GENUINO BOARDS, HUNDREDS OF COMPANIES AROUND THE WORLD ARE  
USING THE IDE TO PROGRAM THEIR DEVICES, INCLUDING COMPATIBLES,  
CLONES, AND EVEN COUNTERFEITS. HELP ACCELERATE ITS DEVELOPMENT  
WITH A SMALL CONTRIBUTION! REMEMBER: OPEN SOURCE IS LOVE!

\$3    \$5    \$10    \$25    \$50    OTHER

JUST DOWNLOAD    CONTRIBUTE & DOWNLOAD

You'll then come to the page you see above. Now click on "Just Download". The picture is marked with a red arrow.

6



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\$3    \$5    \$10    \$25    \$50    OTHER

Downloads



The file is now in your download folder. Click on your download folder to continue.

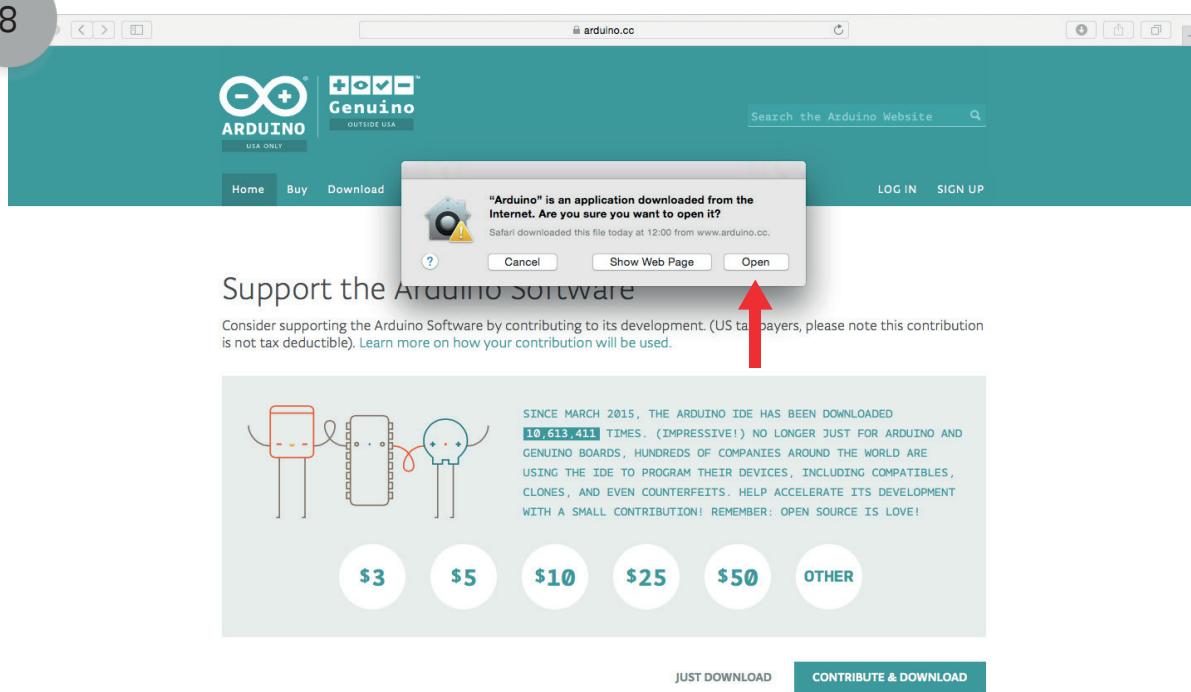
# Programming your Fabschoolino

7



Once in your download folder, click on the file to install your compiler.

8



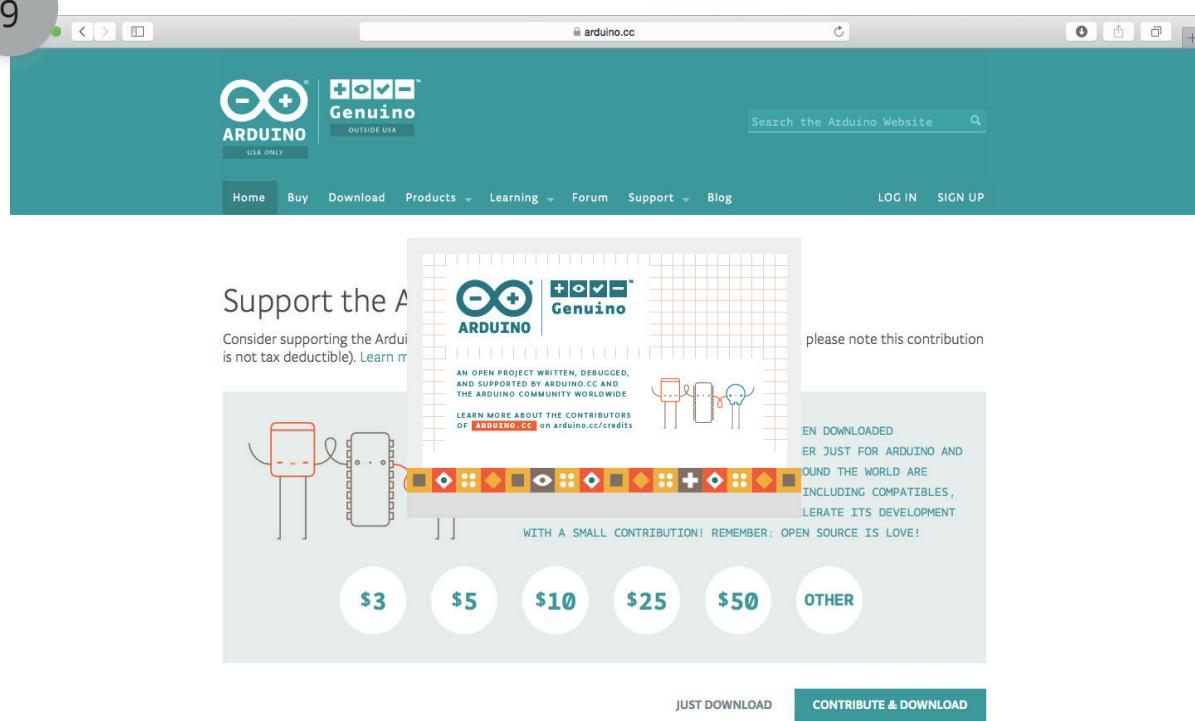
There will be a popup window asking if you are sure if you want to install the file. Click "Open" to continue.

# fabschoolino

CODE / HACK / PLAY

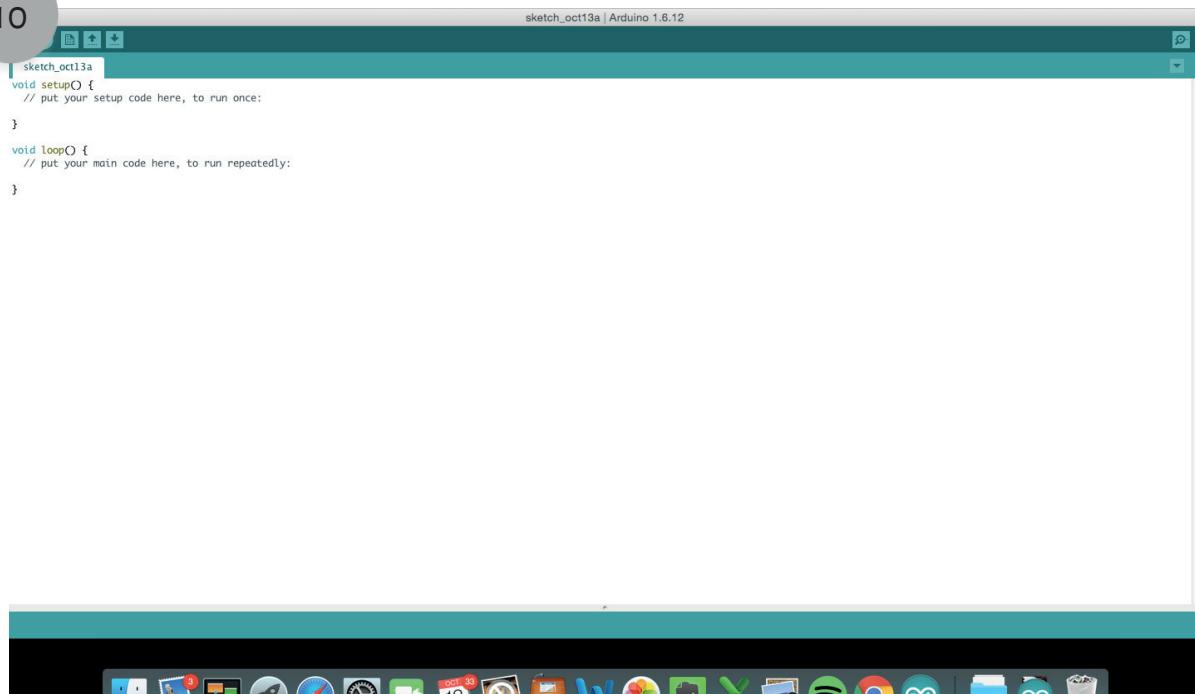
# Programming your Fabschoolino

9



The installation process will now start.

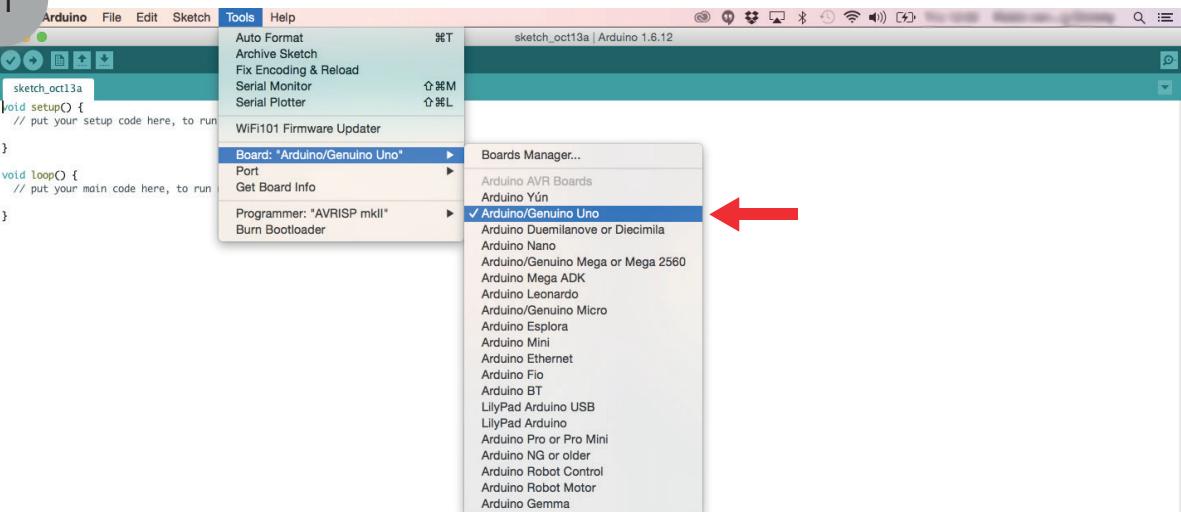
10



If your installation is complete you should see the above screen. On this screen you can install programming languages to program the Fabschoolino.

# Programming your Fabschoolino

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Now go to the "Tools" menu at the top of your screen. Hold your mouse over "Board: Arduino / Genuino Uno" and select "Arduino / Genuino Uno" from the menu that pops up. This should allow you to connect to your Fabschoolino.

12

The screenshot shows a web browser window with the URL <https://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx#mac>. The page displays two download links for WinCE drivers:

Platform	Software	Release Notes
WinCE 6.0 (2.1)	<a href="#">Download VCP (276 KB)</a>	<a href="#">Download WinCE 6.0 Revision History</a>
WinCE 5.0 (2.1)	<a href="#">Download VCP (271 KB)</a>	<a href="#">Download WinCE 5.0 Revision History</a>

## Download for Macintosh OSX (v4)

Platform	Software	Release Notes
Mac OSX	<a href="#">Download VCP (832 KB)</a>	<a href="#">Download Mac VCP Revision History</a>

## Download for Linux

Platform	Software	Release Notes
Linux 3.x.x	<a href="#">Download VCP (10.0 KB)</a>	<a href="#">Download Linux 3.x.x VCP Revision History</a>
Linux 2.6.x	<a href="#">Download VCP (10.2 KB)</a>	<a href="#">Download Linux 2.6.x VCP Revision History</a>

\*Note: The Linux 3.x.x version of the driver is maintained in the current Linux 3.x.x tree at [www.kernel.org](http://www.kernel.org).

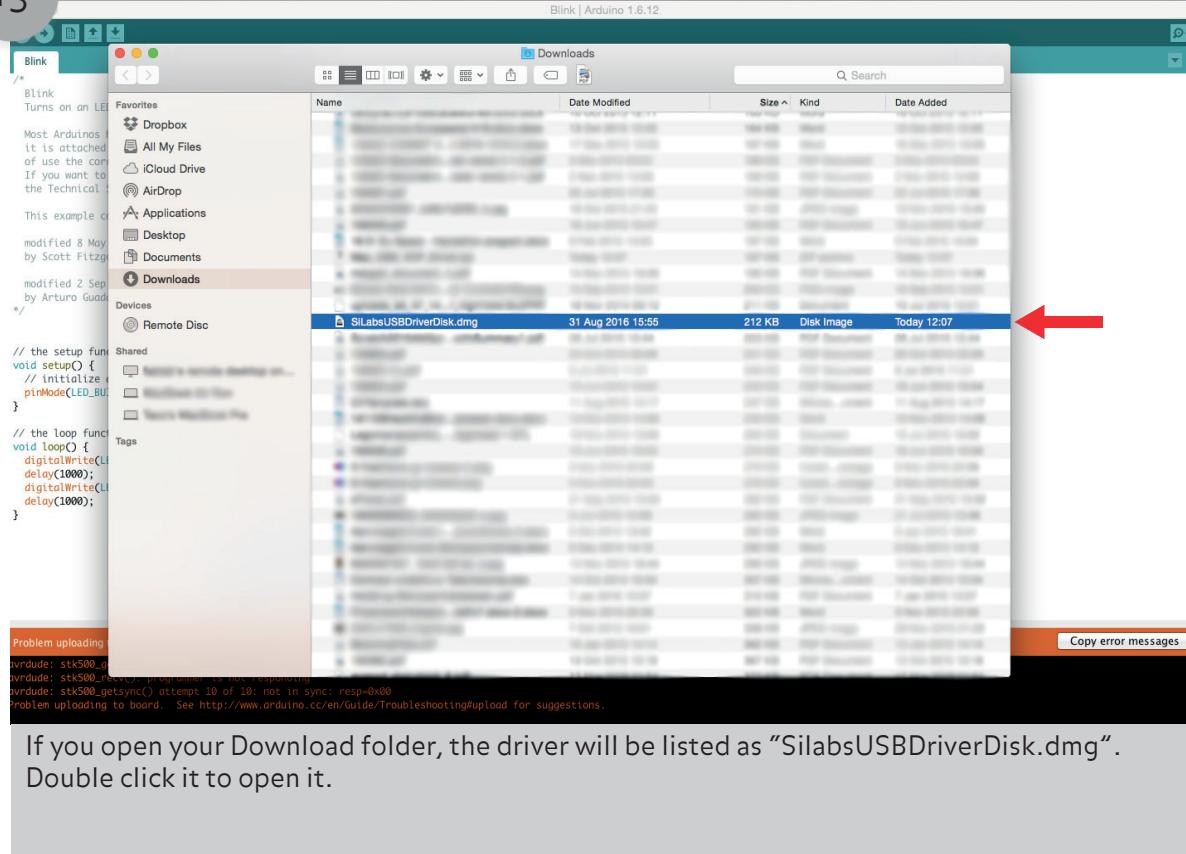
## Download for Android

Platform	Application Note
Android 4.2	<a href="#">AN809: Integrating the CP210x Virtual COM Port Driver into the Android Platform</a>

You'll also need a driver in order to program. For the driver, go to "<http://bit.ly/2ghCtUB>" and click "Download VCP."

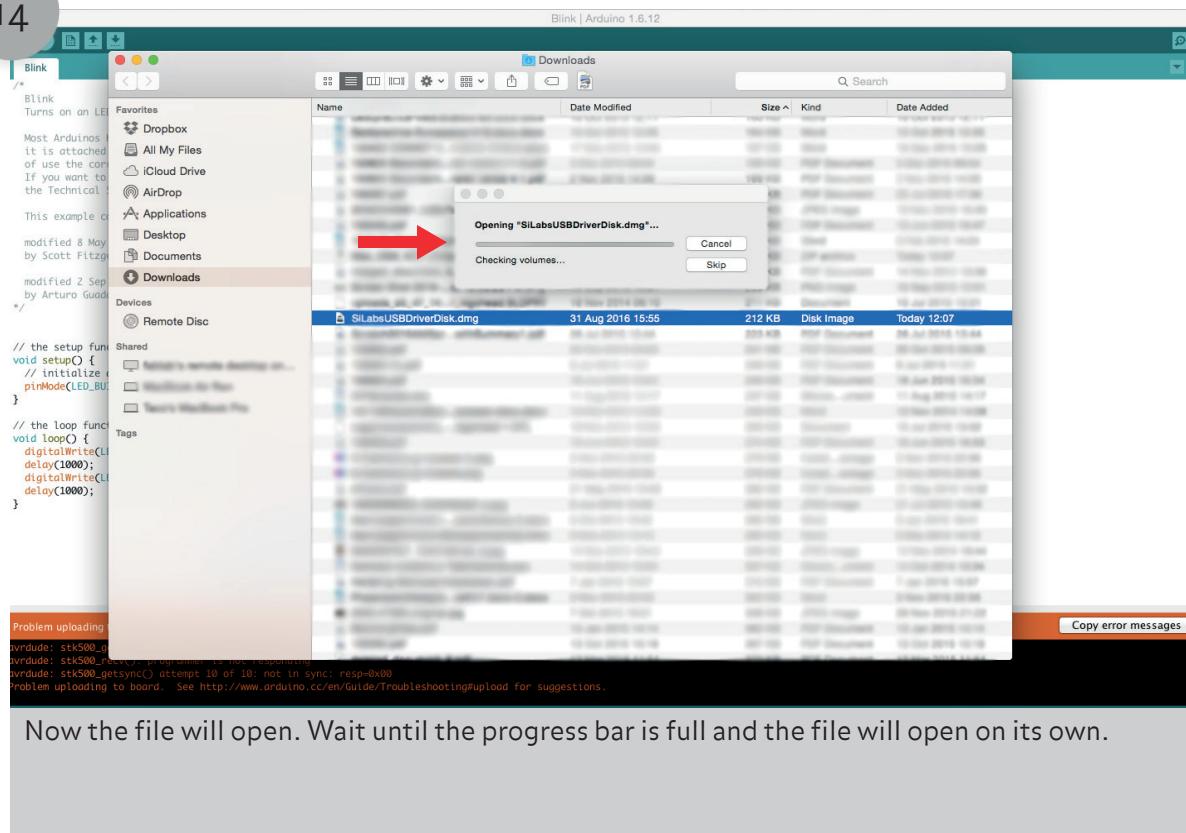
# Programming your Fabschoolino

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If you open your Download folder, the driver will be listed as "SilabsUSBDriverDisk.dmg". Double click it to open it.

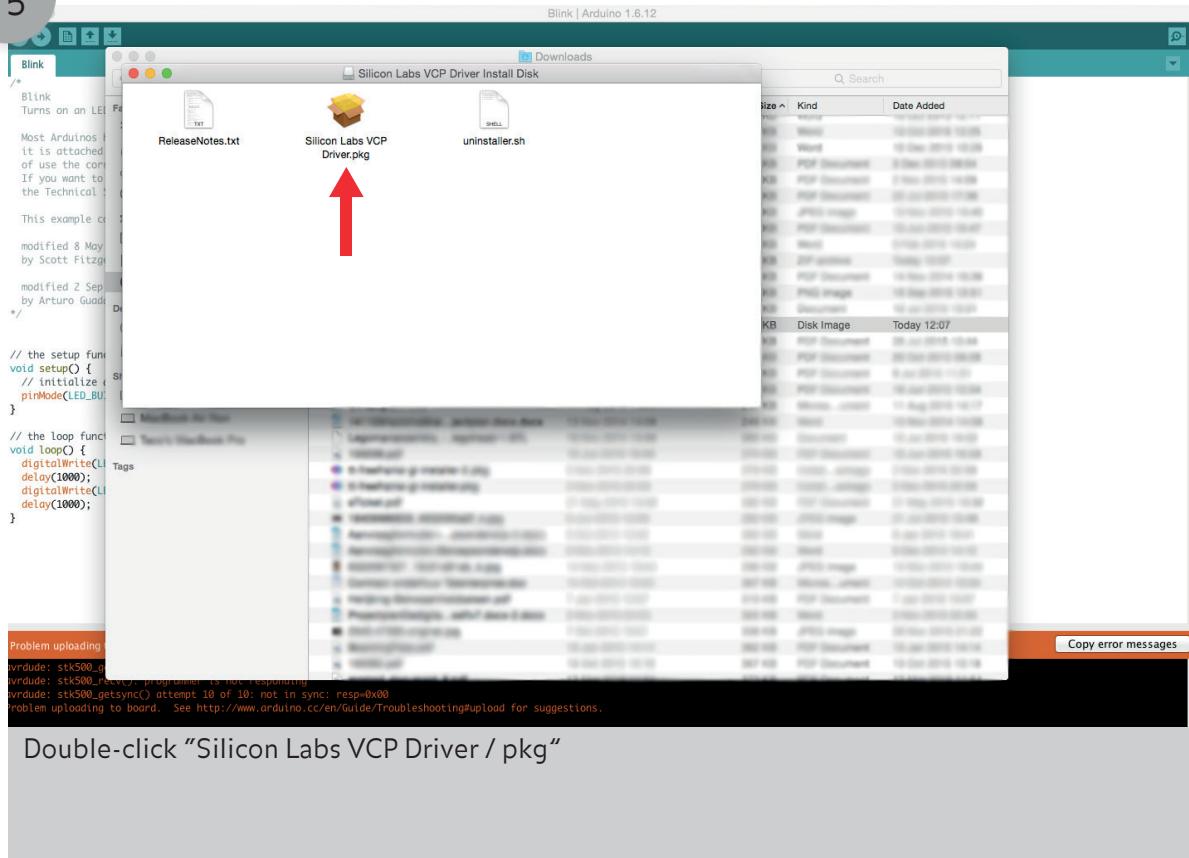
14



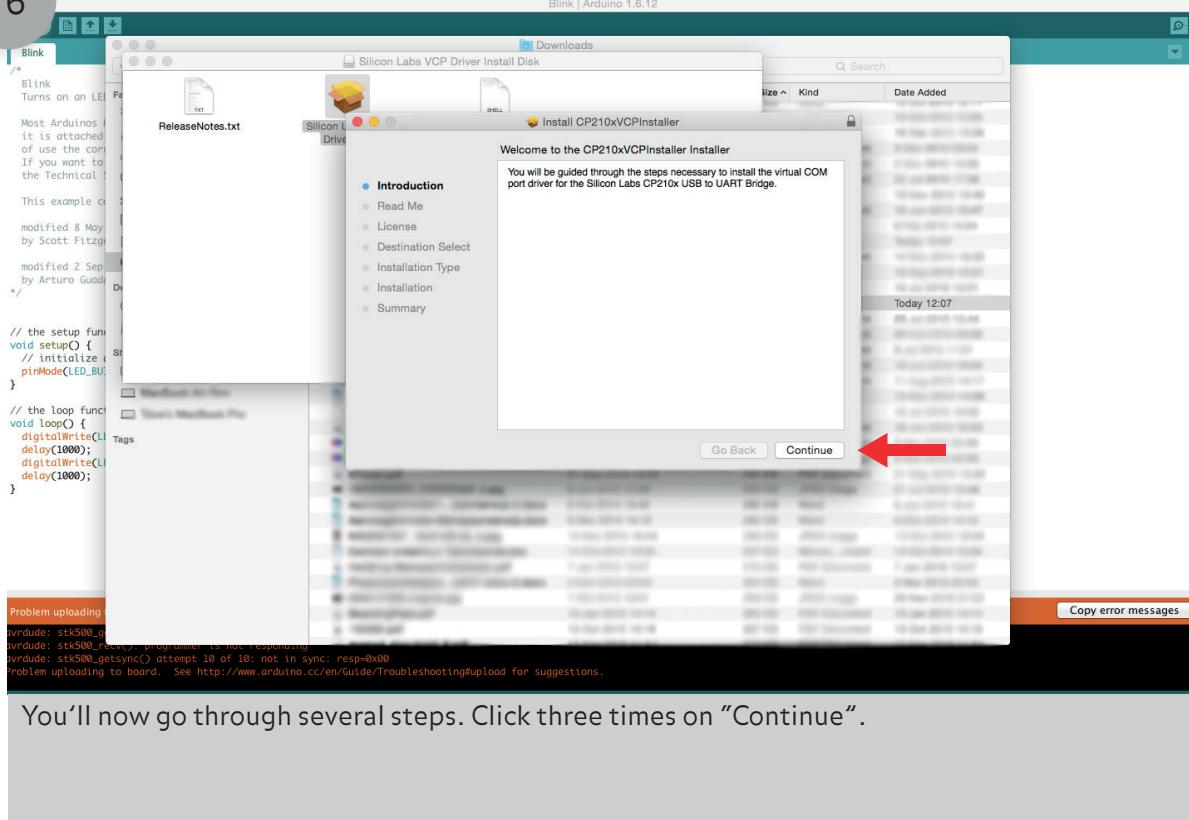
Now the file will open. Wait until the progress bar is full and the file will open on its own.

# Programming your Fabschoolino

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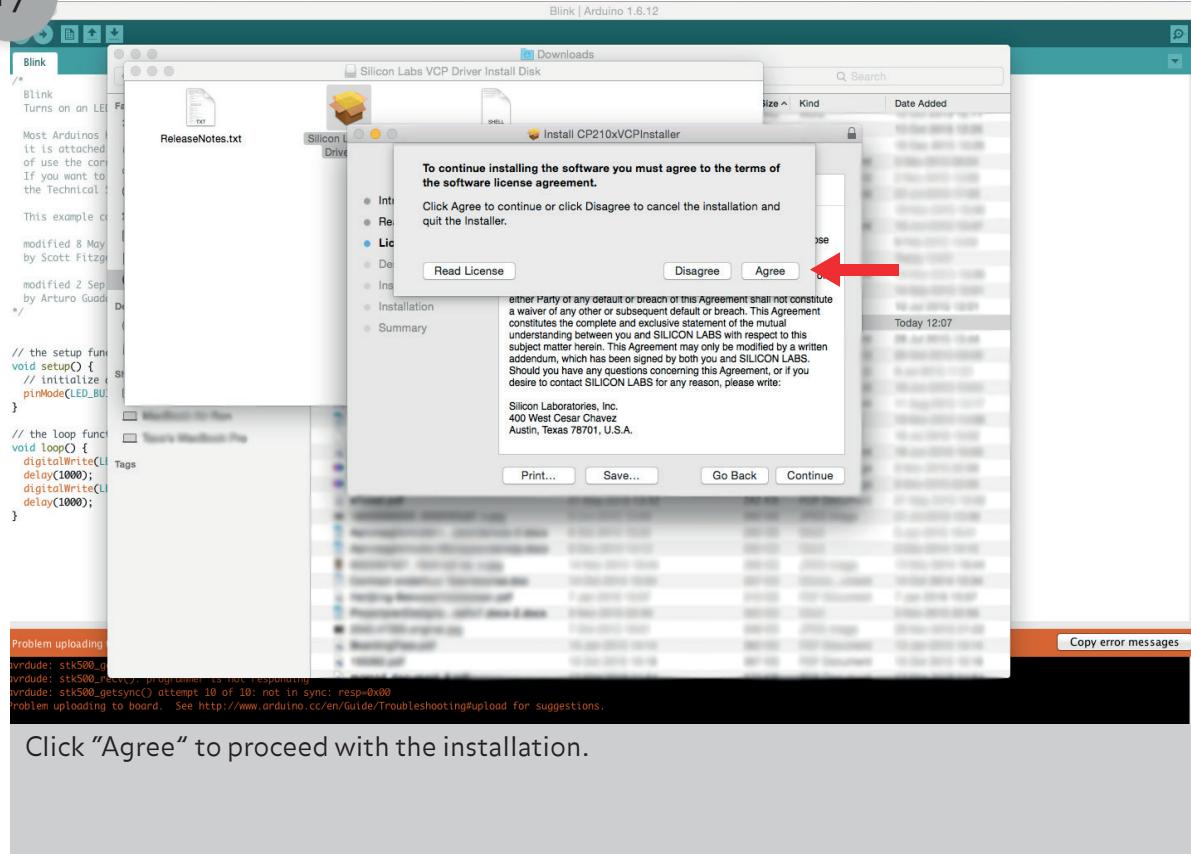


16



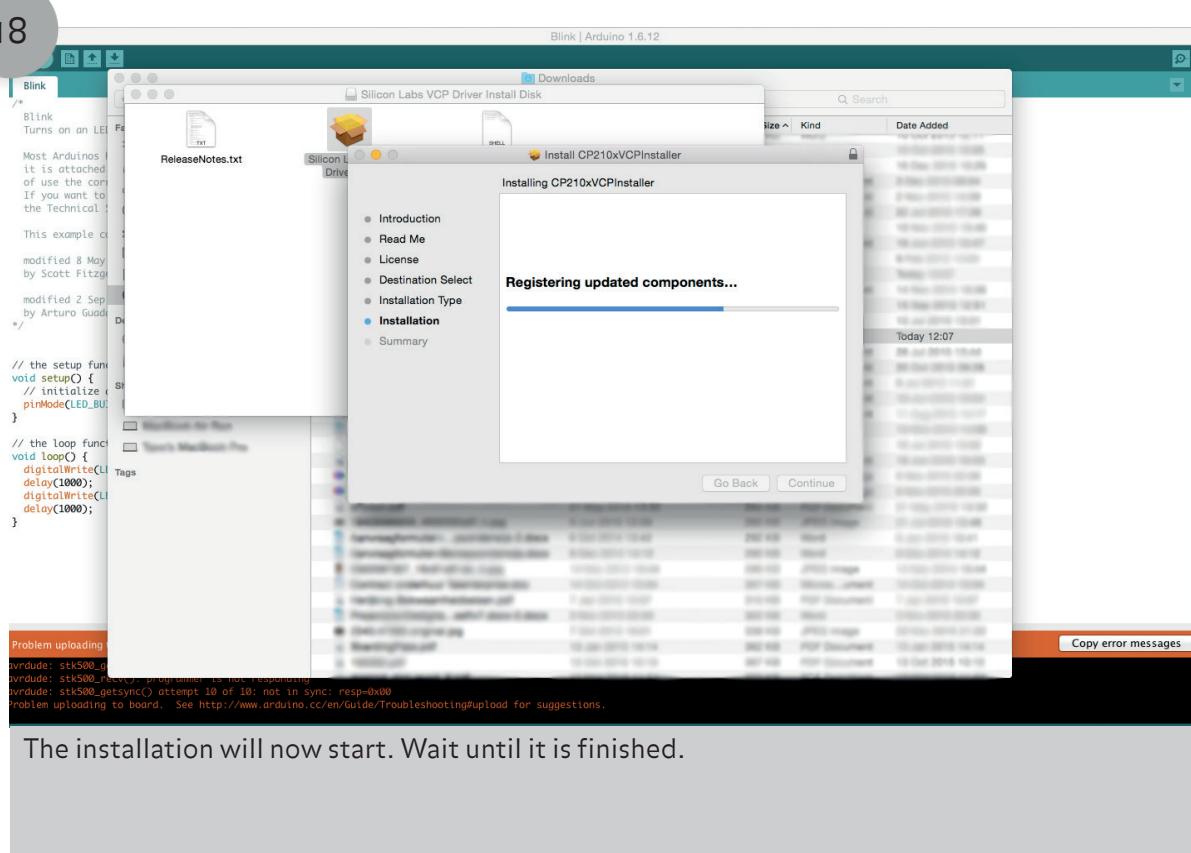
# Programming your Fabschoolino

17



Click "Agree" to proceed with the installation.

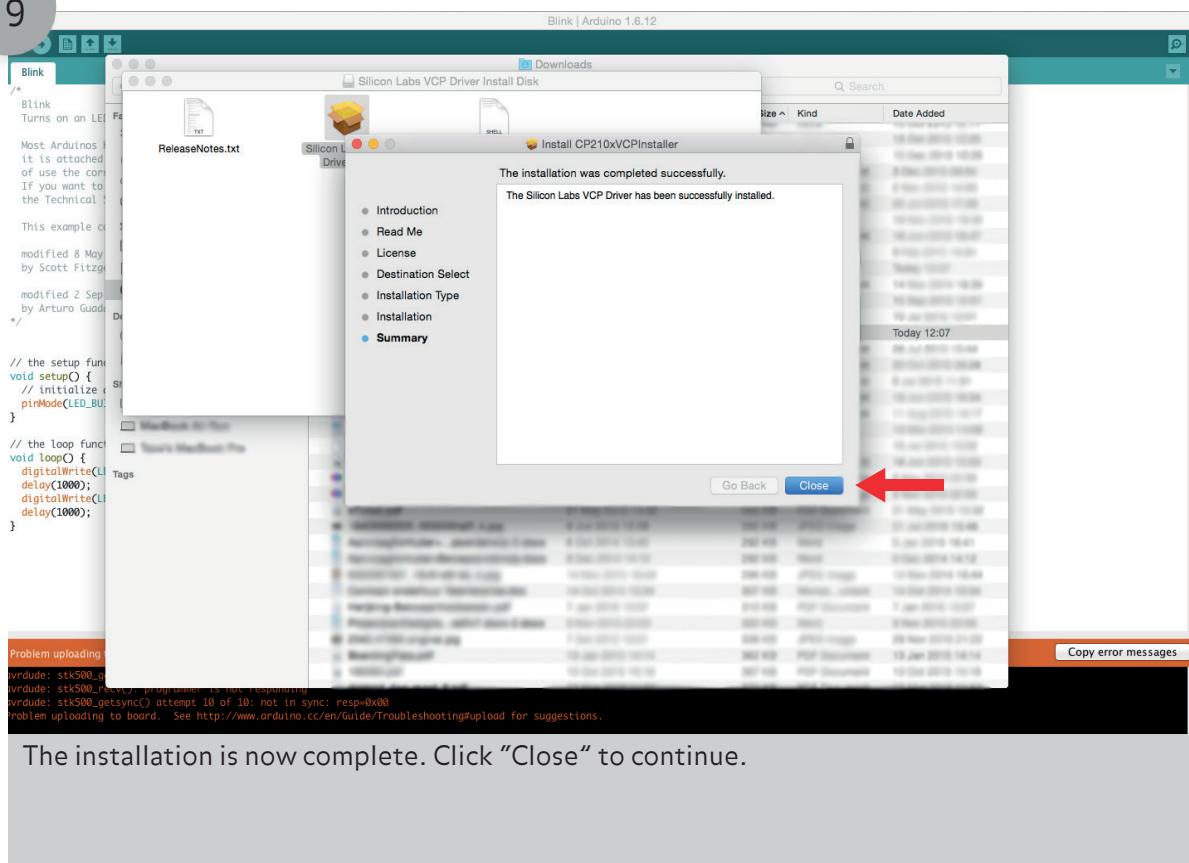
18



The installation will now start. Wait until it is finished.

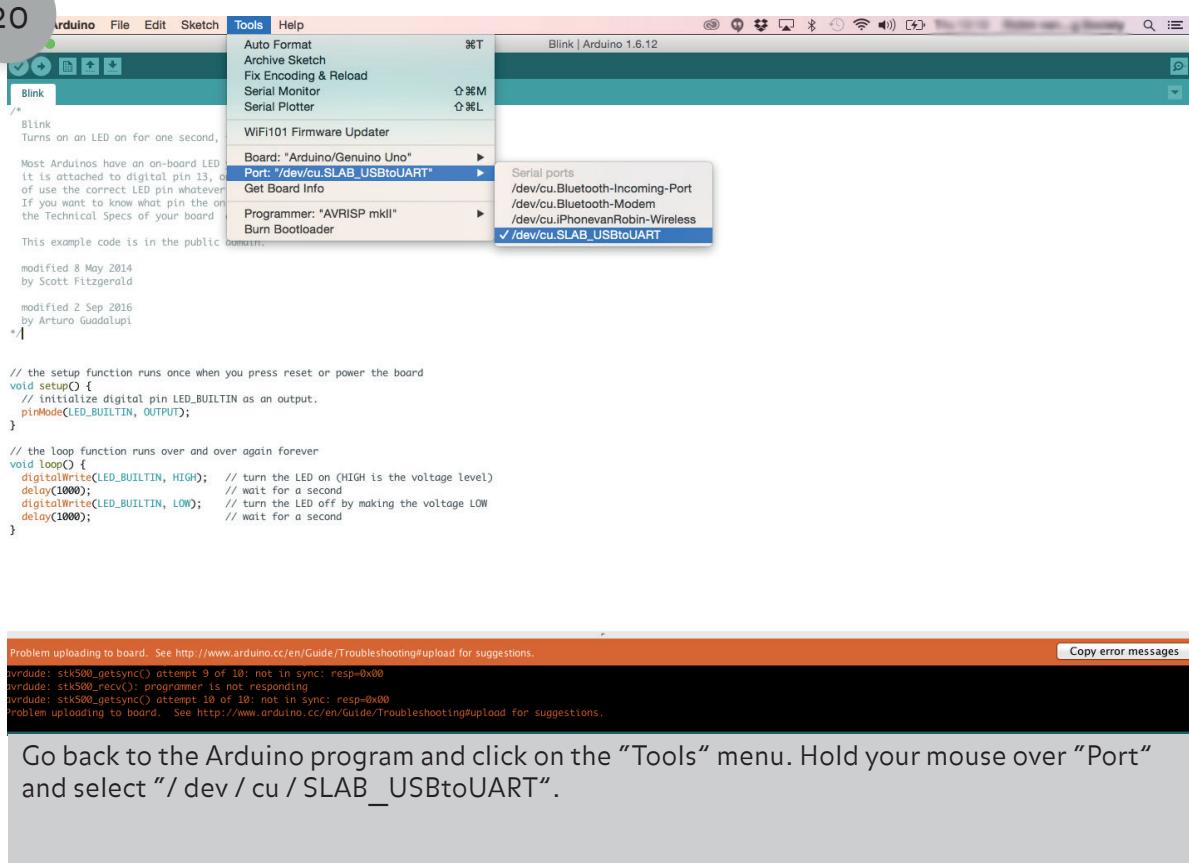
# Programming your Fabschoolino

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The installation is now complete. Click "Close" to continue.

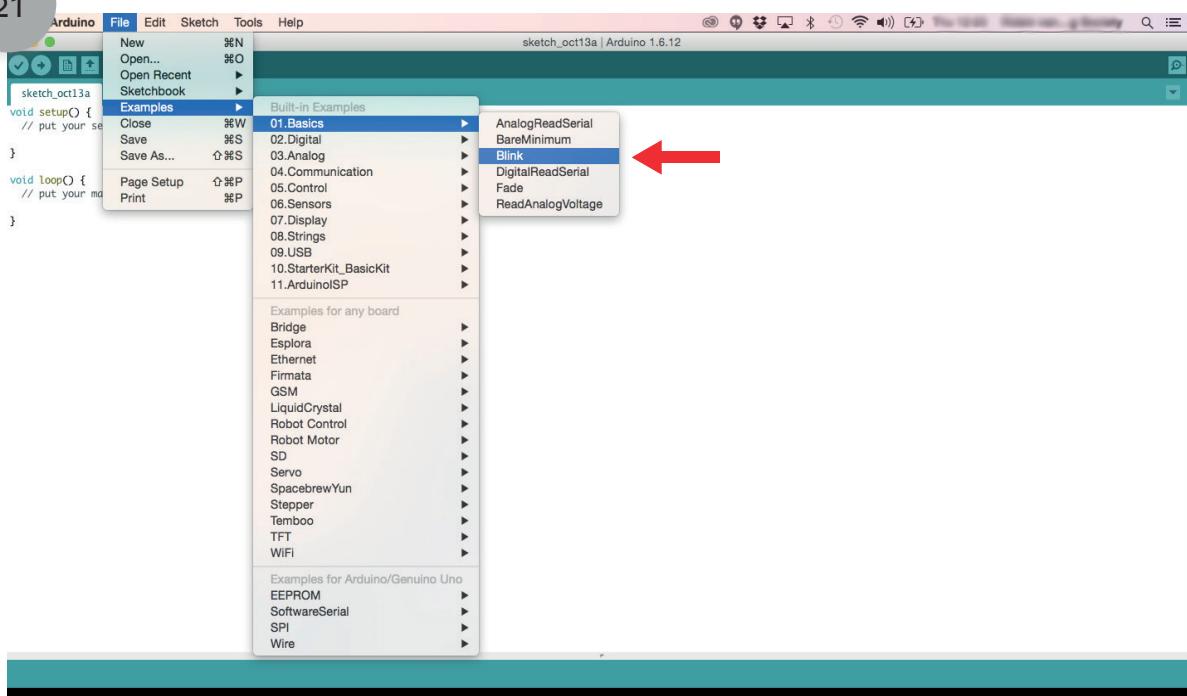
20



Go back to the Arduino program and click on the "Tools" menu. Hold your mouse over "Port" and select "/ dev / cu / SLAB \_ USBtoUART".

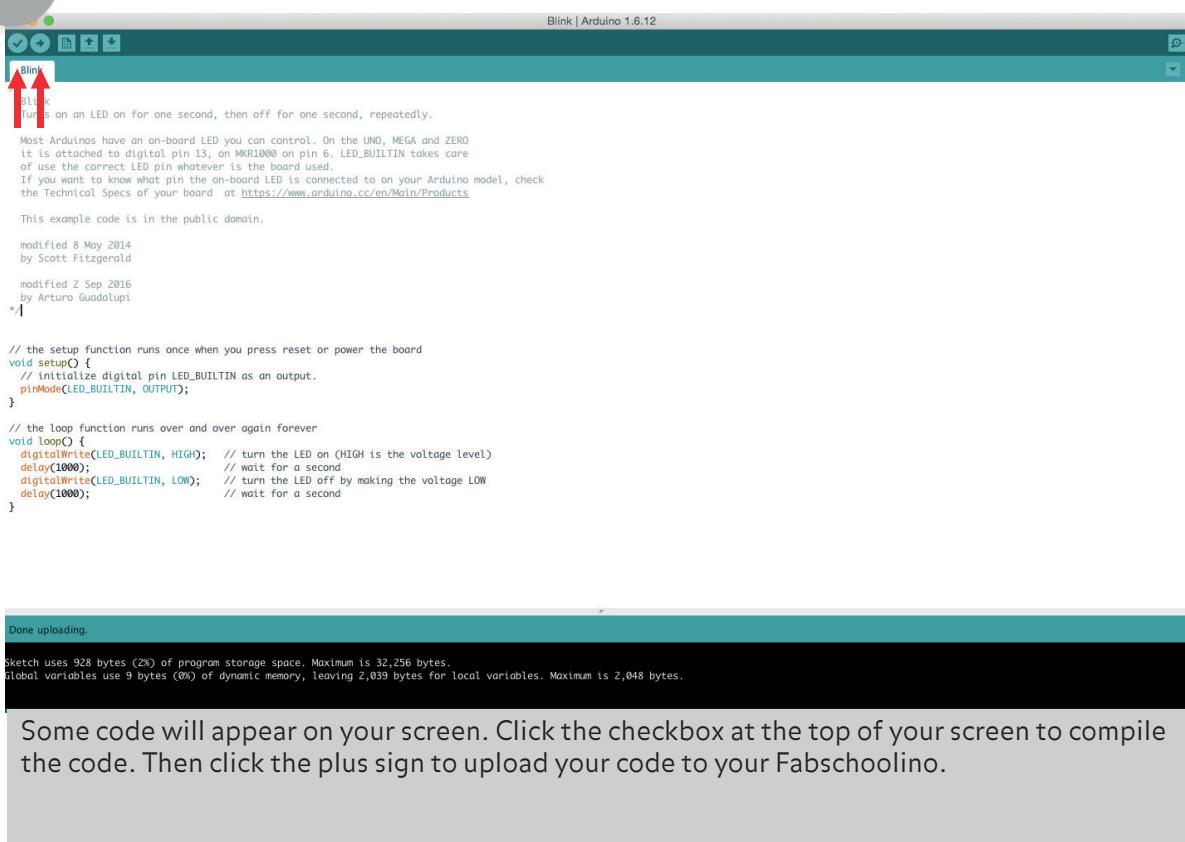
# Programming your Fabschoolino

21



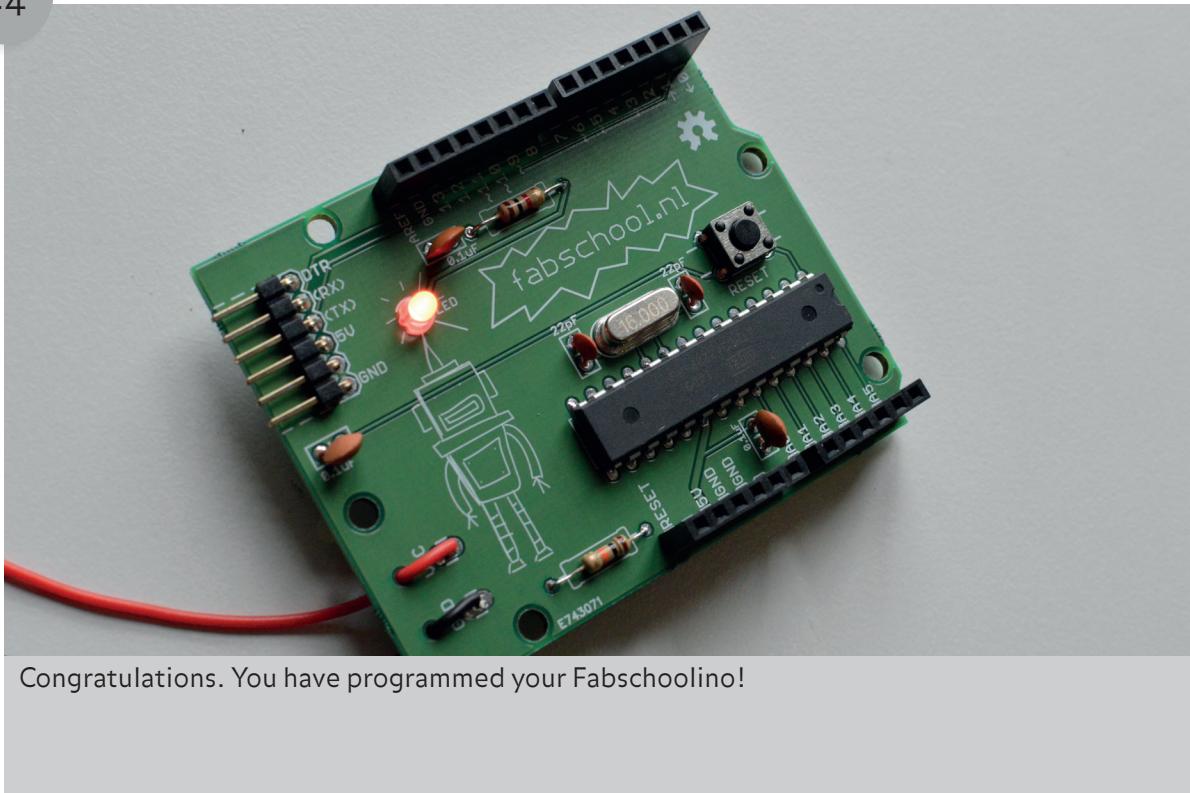
To see whether or not you're ready to program, we're going to run a test. Click on "File" menu and go to Examples> 01.Basics> Blink.

22



# Programming your Fabschoolino

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Congratulations. You have programmed your Fabschoolino!