Welcome!

Please log in...

I’m Mr Beens *(Google “Mr Beens’ Class”)*

Areas within BDSS Technology

- Auto
- Communications Technology
- Computer Technology
- Computer Science
- Construction
- Electricity
- Hairstyling & Aesthetics
- Horticulture
- Hospitality (Foods)
- Welding

Subjects taught by Mr Beens

- Communications Technology TGJ (10-12)
  - Photoshop, Photography, Graphic Arts, Videography
- Computer Science ICS (11-12)
  - Coding!
- Computer Technology TEJ (10-12)
  - Computer Hardware, Computer Networking, Computer Repair, Electronics, Computer Interfacing

Comm Tech (TGJ) - Photoshop - Remove Tree
(before and after)

See also http://blog.beens.org/2015/09/photo-repair-which-do-you-like-best.html

Comm Tech (TGJ) - Photoshop - Repair Portrait
(before and after)

Our First Arduino Program!

“Blink”

This program turns on an LED on for one second, then off for one second, repeatedly.

Most Arduinos have an on-board LED you can control. On the Uno and Leonardo, it is attached to digital pin 13.

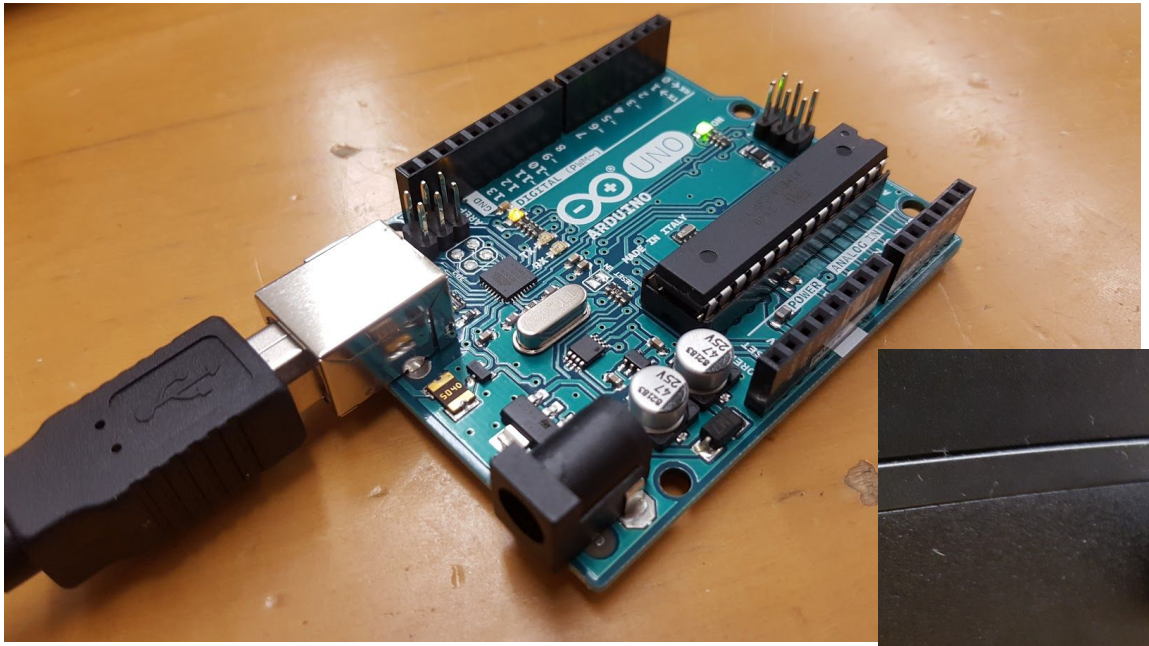
Credit(s): http://labs.arduino.org/STARTER+KIT+-+GET+TO+KNOW+YOUR+TOOLS

“Blink” (step 1)

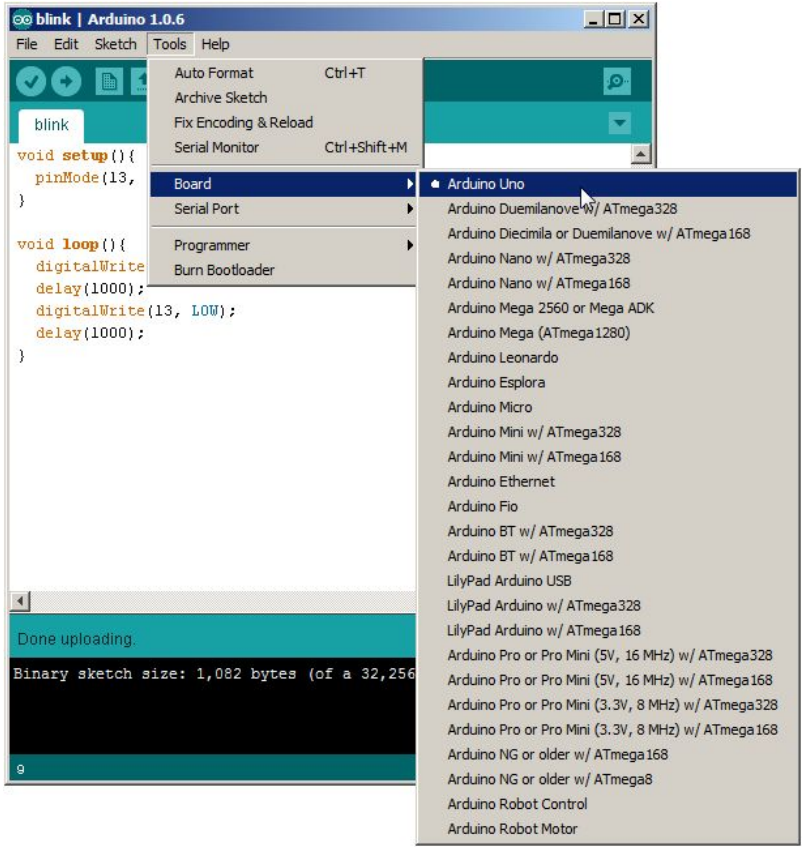
```
void setup() {

}

void loop() {

}
```

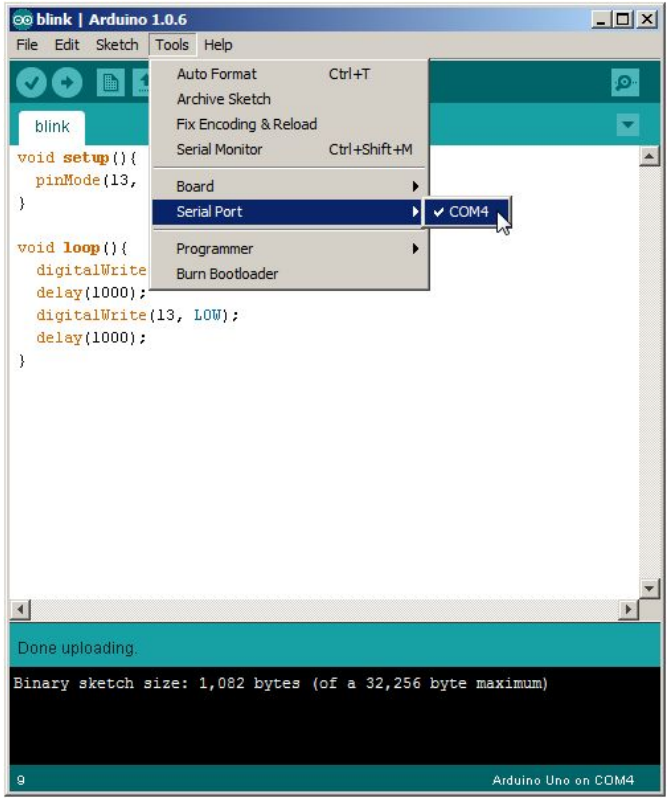
Credit(s): http://labs.arduino.org/STARTER+KIT+-+GET+TO+KNOW+YOUR+TOOLS

Connect Your Arduino...

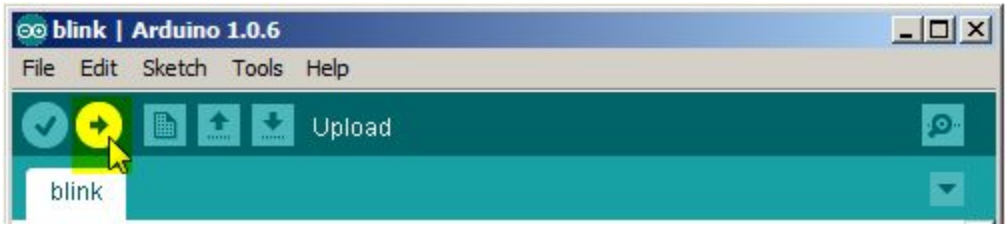


Before Uploading...





Upload!

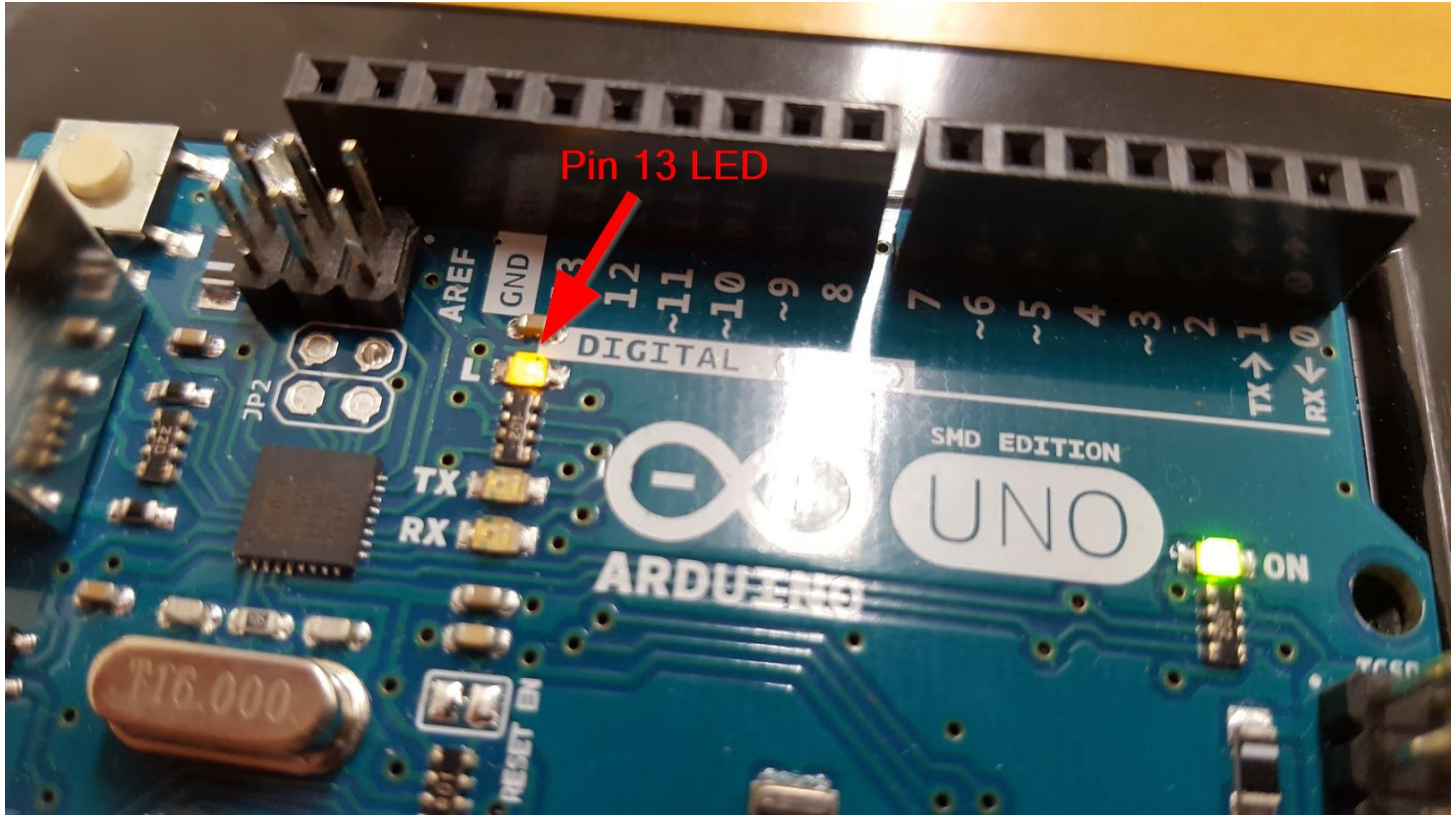


“Blink” (step 2)

```
void setup() {
  pinMode(13, OUTPUT);
}

void loop() {
  digitalWrite(13, HIGH);
}
```

Credit(s): http://labs.arduino.org/STARTER+KIT+-+GET+TO+KNOW+YOUR+TOOLS

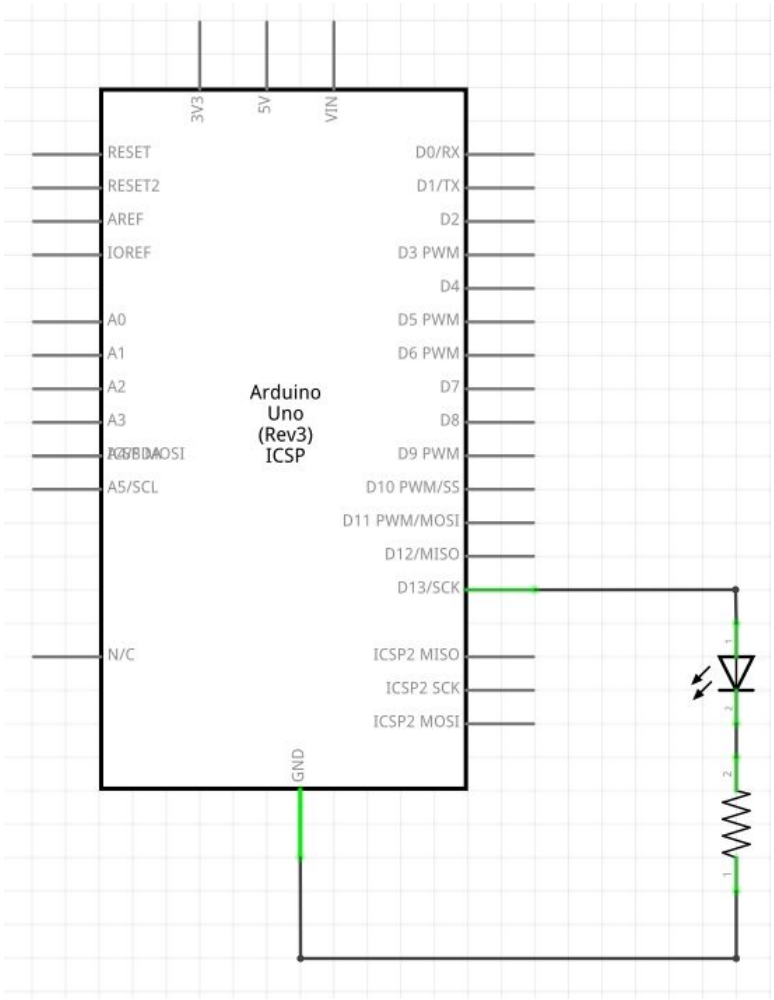
Did it Work?!!

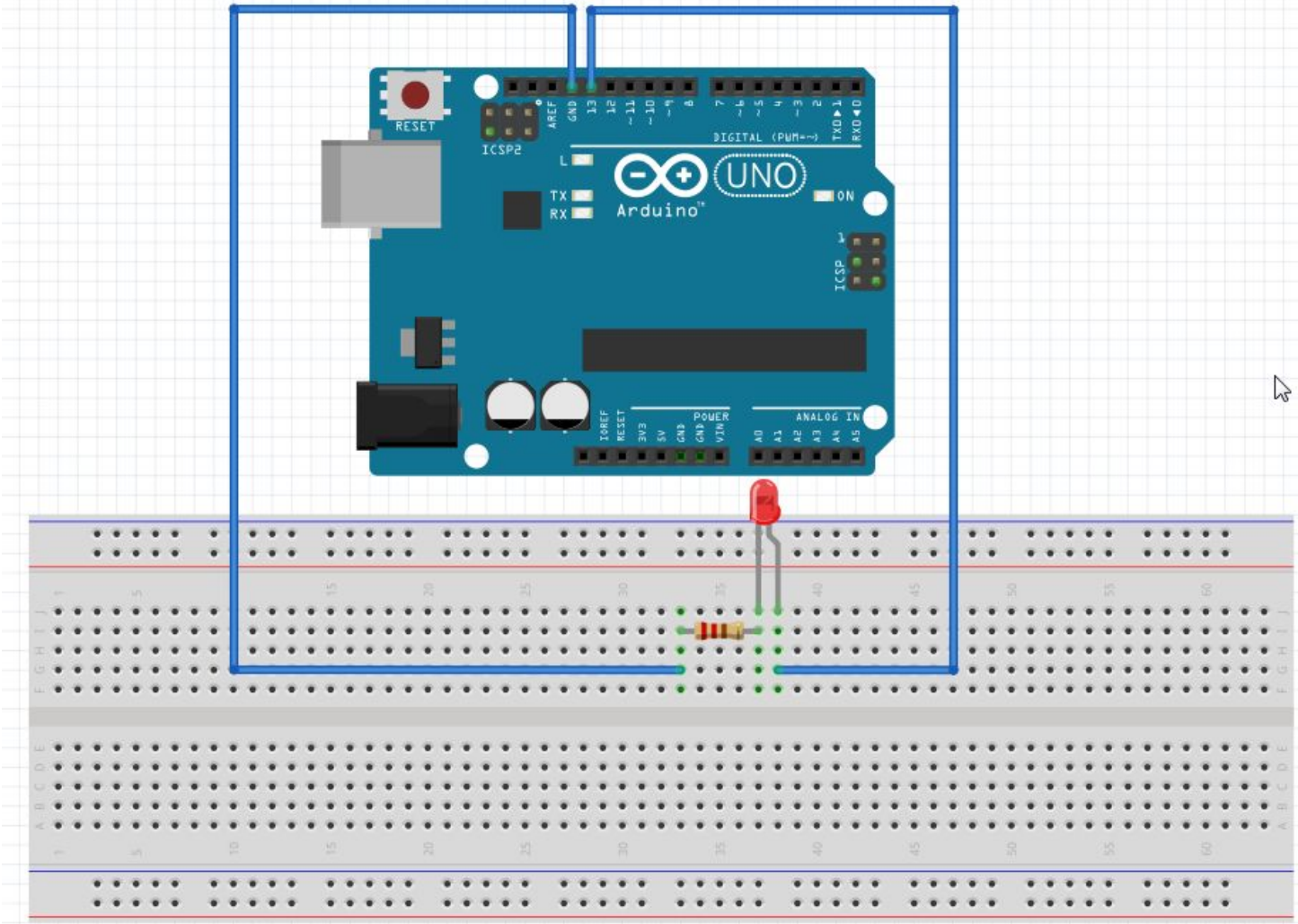

Pin 13 LED
AREF
GND
12
~11
~10
~9
8
7
~6
~5
4
~3
2
1
0
DIGITAL
TX
RX
JP2
SMD EDITION
UNO
ARDUINO
ON
RESET EN

“Blink” (step 3)

```
void setup() {
  pinMode(13, OUTPUT);
}

void loop() {
  digitalWrite(13, HIGH);
  delay(1000);
  digitalWrite(13, LOW);
  delay(1000);
}
```

Credit(s): http://labs.arduino.org/STARTER+KIT+-+GET+TO+KNOW+YOUR+TOOLS


3V3
5V
VIN
RESET
RESET2
AREF
IOREF
A0
A1
A2
A3
A4/SDA
A5/SCL
N/C
D0/RX
D1/TX
D2
D3 PWM
D4
D5 PWM
D6 PWM
D7
D8
D9 PWM
D10 PWM/SS
D11 PWM/MOSI
D12/MISO
D13/SCK
ICSP2 MISO
ICSP2 SCK
ICSP2 MOSI
GND
Arduino
Uno
(Rev3)
ICSP


RESET
ICSP2
AREF
GND
13
12
~11
~10
~9
8
7
~6
5
4
~3
2
TX→1
RX←0
DIGITAL (PWM=~)
L
TX
RX
UNO
Arduino
ON
ICSP
POWER
ANALOG IN
IOREF
RESET
3V3
5V
GND
GND
VIN
A0
A1
A2
A3
A4
A5