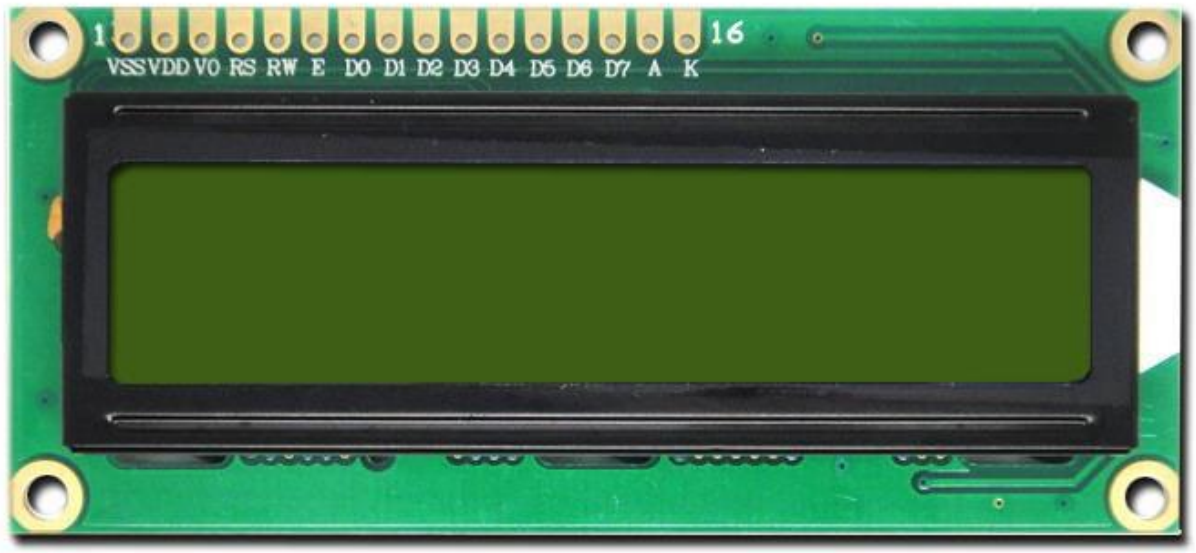
WILLY'S HOBBY SITE

Aansluit schema en programma code voor LIQUID CRYSTAL 2 x 16 LCD DISPLAY



Door mijn gebruikte componenten:

Arduino UNO
Liquid Crystal 2 x 16 LCD Display
Potentiometer 10k Ohm

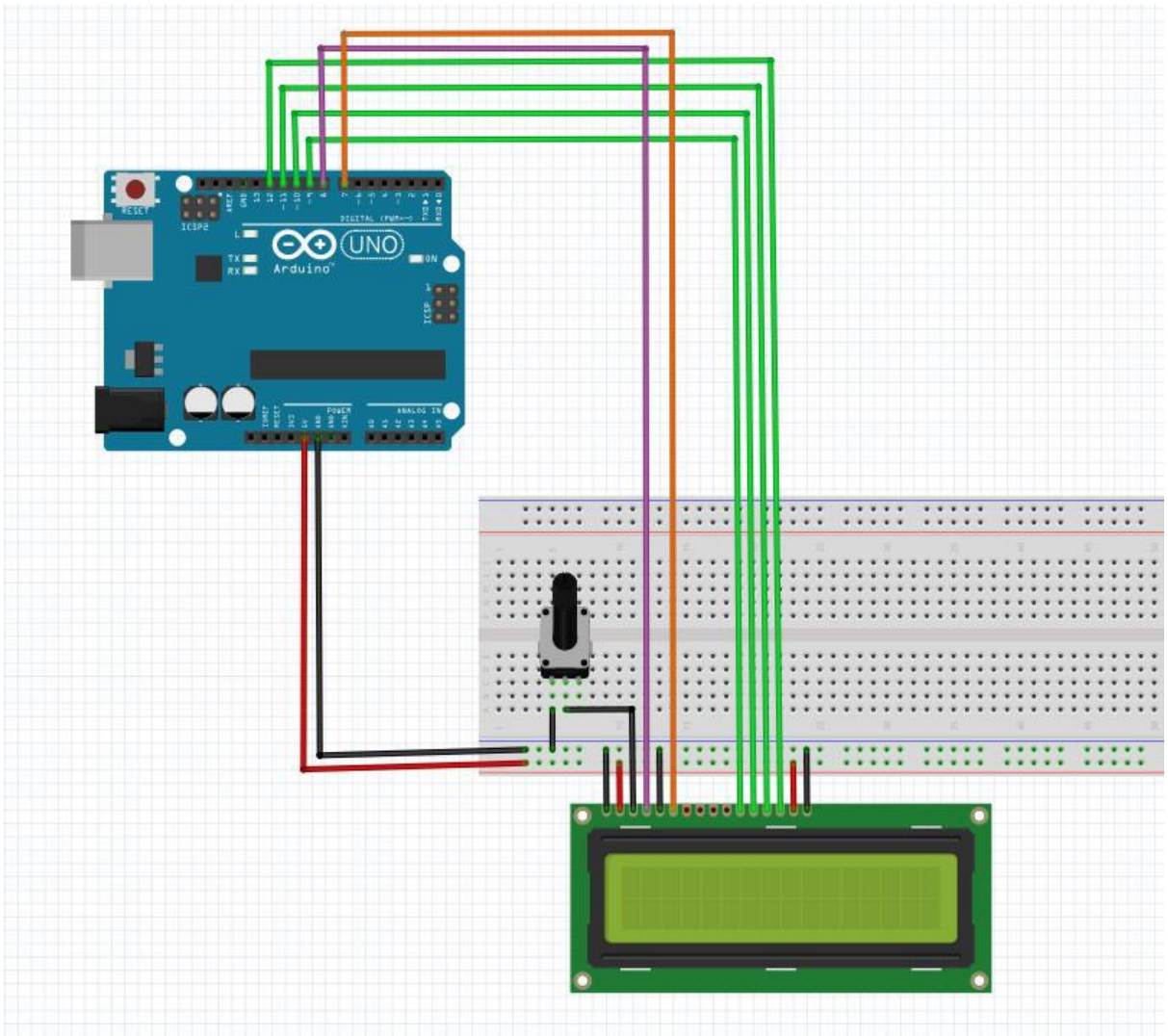
Aansluit schema Liquid Crystal 2 x 16 LCD Display:

1 VSS	→	Pin GND
2 VDD	→	Pin 5V
3 VO	→	Middelste Pin Pot meter 10k Ohm
4 RS	→	Pin 8
5 RW	→	Pin GND
6 E	→	Pin 7
7 D0	n.v.t.	
8 D1	n.v.t.	
9 D2	n.v.t.	
10 D3	n.v.t.	
11 D4	→	Pin 9
12 D5	→	Pin 10
13 D6	→	Pin 11
14 D7	→	Pin 12
15 A	→	Pin 5V
16 K	→	pin GND

Potentiometer:

Rechter Pin	→	n.v.t.
Middelste Pin	→	Pin 3 VO (Liquid Crystal 2 x 16 LCD Display)
Linker Pin	→	GND

Aansluit Schema:



Programma code:

```
//// bibiliotheek bestanden ////
#include <LiquidCrystal.h>

//// variable ////
LiquidCrystal lcd(7, 8, 9, 10, 11 , 12);

void setup() {
//// zet hier je setup-code ////
lcd.begin(16, 2);
lcd.setCursor(0,0);
lcd.write("Liquid Crystal ");
lcd.setCursor(0,1);
lcd.write("2 x 16 LCD ");
delay(4000);
}

void loop() {
//// plaats hier de hoofdcode, deze wordt herhaaldelijk uitgevoerd ////
lcd.clear();
lcd.setCursor(0, 0);
lcd.print("www.wdevaal.nl");
lcd.setCursor(0,1);
lcd.print("by W. de Vaal");
delay(4000);
lcd.clear();
lcd.setCursor(0,0);
lcd.print("Liquid Crystal");
lcd.setCursor(0,1);
lcd.print("by W. de Vaal");
delay(4000);
}
```

Bibiliotheek bestanden:

LiquidCrystal Built-In by **Arduino, Adafruit** Versie **1.0.7** **INSTALLED**
Allows communication with alphanumerical liquid crystal displays (LCDs). This library allows an Arduino/Genuino board to control LiquidCrystal displays (LCDs) based on the Hitachi HD44780 (or a compatible) chipset, which is found on most text-based LCDs. The library works with in either 4 or 8 bit mode (i.e. using 4 or 8 data lines in addition to the rs, enable, and, optionally, the rw control lines).
More info