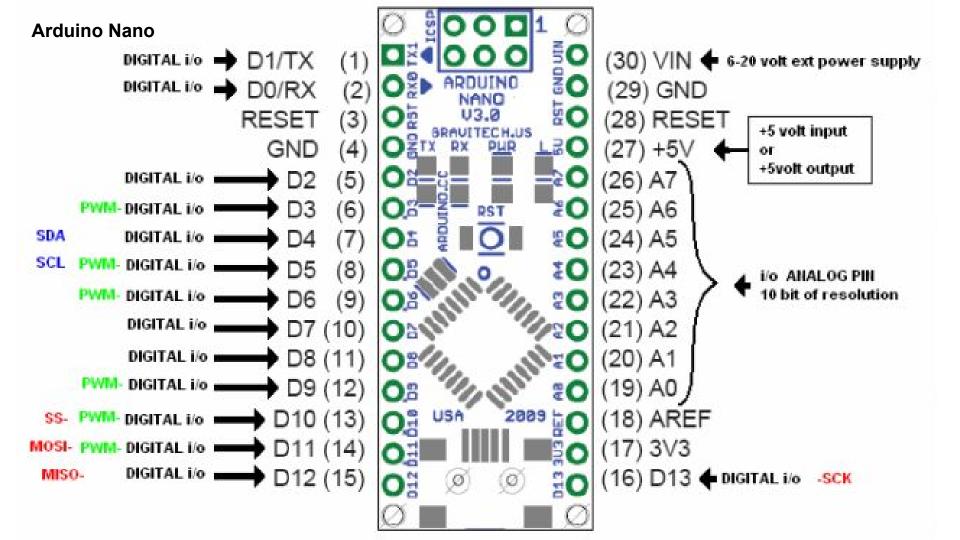
Workshop on Ultrasonic and IR Sensors Learn How to Program

Learn How to Program
And
Wire Sensors using Arduino









Input voltage: 7V-12V

Operating voltage: 5V

CPU Speed: 16MHZ

Analog In/Out: 6/0

Digital IO/PWM:14/6

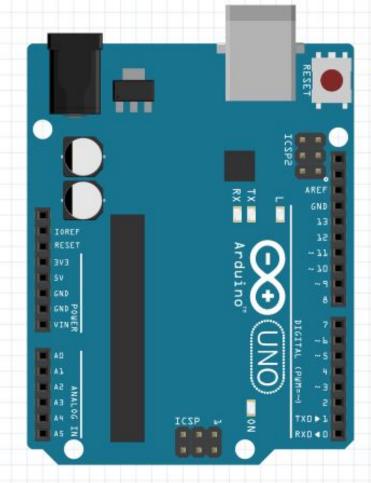
EEPROM: 1KB

SRAM: 2KB

Flash: 32KB

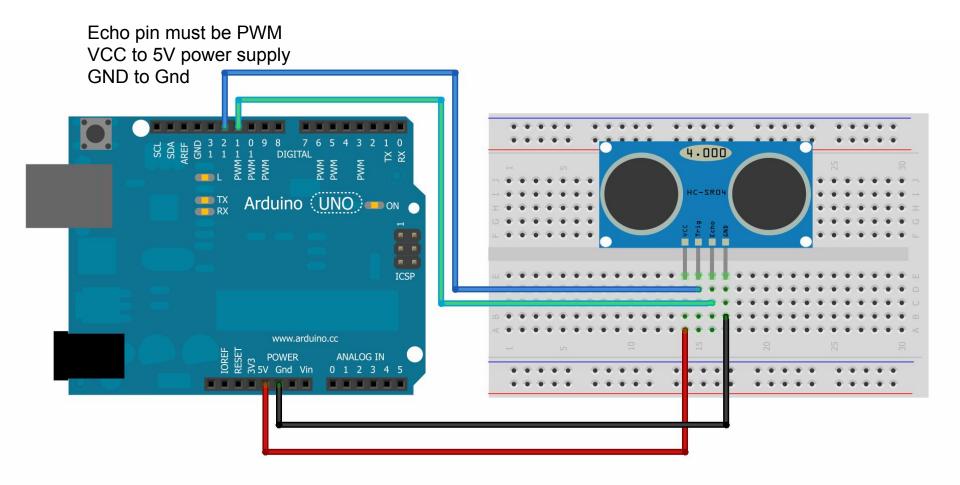
UART:1

USB: Regular



ARDUINO PIN MICROCONTROLLER PIN

SECTION AND DESCRIPTION AND DE		DDG(DVD)
0	2.74	PD0(RXD)
1	-	PD1(TXD)
2	-	PD2(INT0)
3		PD3(INT1)
4	-74	PD4
5	-	PD5
6	-	PD6
7		PD7
8	2.74	PB0
9	-	PB1
10	1749	PB2(SS')
11	525	PB3(MOSI)
12	1378	PB4(MISO)
13	-	PB5(SCK)
A0	4	PC0
A1		PC1
A2	- 5	PC2
A3	-	PC3
A4	-	PC4(SDA)
A5		PC5(SCL)



Code:

Needed library:

https://drive.google.com/file/d/0B3Tq3CkzcabNbFJpRTIBdVdSa0U/view?usp=sharing

Put this library in your Arduino>Libraries folder

See the instructions on using/ installing the library here: http://playground.arduino.cc//Main/SharpIR

Ensure Arduino is plugged into your computer

Ensure that the USB port (ie: Tools>Port> COM4) and your type of Arduino board (ie: Tools>Board> Nano) are accurate



Upload sketch

the same of make various in

File Edit Sketch Tools Help

```
ArduinolSP

23 // even when not using an Uno. (On an Uno thi
```

Serial Monitor - read all the sensor values!

