

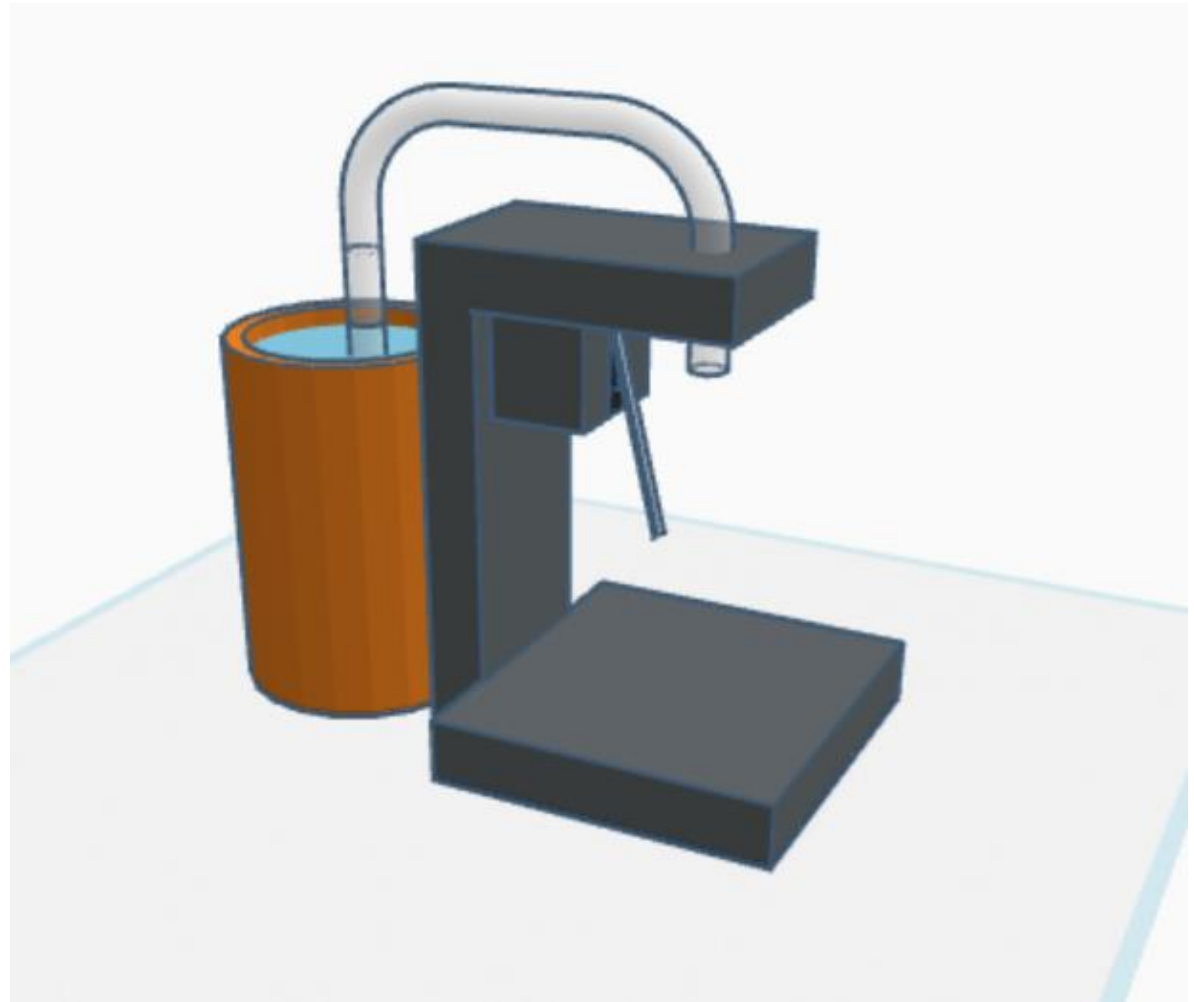
Dispensador de Bebidas

Disciplina: Programação

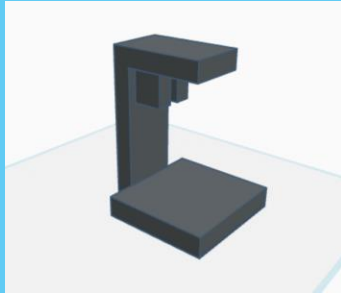
Tema: Arduino

Julieta Tortosa N.º 20

Nerdwin Sanches N.º 23



Componentes:



Madeira



Módulo Relé de 1 canal 5v



Mini bomba de água DC 4-6V



Mangueira de água

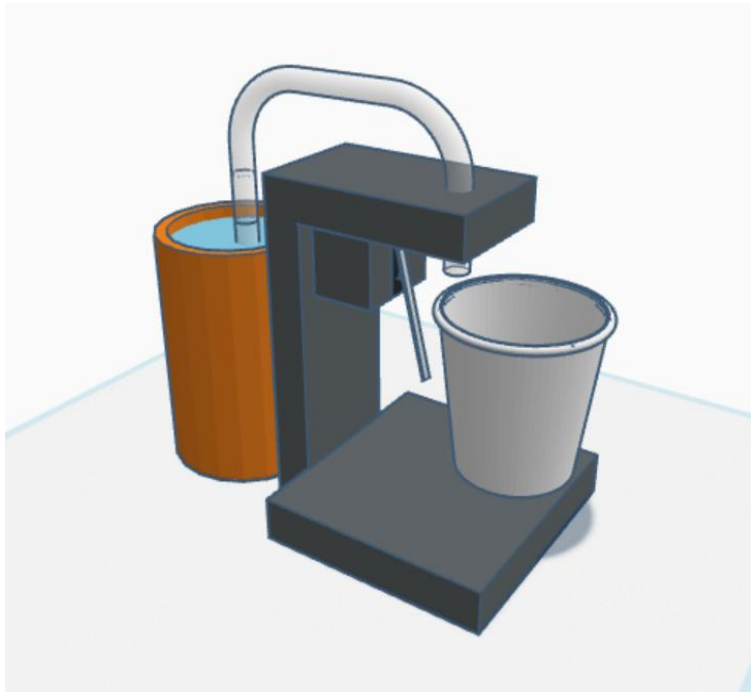


Microinterruptor (microswitch) com alavanca



Arduino UNO

Código:



```
Arduino Uno
sketch_may7b.ino
1  int motor = 3;
2  int sinal = 2;
3  int buttonState = 0;
4
5  void setup()
6  {
7      pinMode(sinal, INPUT);
8      pinMode(motor, OUTPUT);
9      Serial.begin(9600);
10 }
11 void loop()
12 {
13     buttonState = digitalRead(sinal);
14     Serial.println(buttonState);
15     if (buttonState == HIGH)
16     {
17         digitalWrite(motor, HIGH);
18     }
19     else
20     {
21         digitalWrite(motor, LOW);
22     }
23     delay(100);
24 }
25
26
```

Código:



```
Arduino Uno
sketch_may7b.ino
1  int motor = 3;
2  int sinal = 2;
3  int buttonState = 0;
4
5  void setup()
6  {
7      pinMode(sinal, INPUT);
8      pinMode(motor, OUTPUT);
9      Serial.begin(9600);
10 }
11 void loop()
12 {
13     buttonState = digitalRead(sinal);
14     Serial.println(buttonState);
15     if (buttonState == HIGH)
16     {
17         digitalWrite(motor, HIGH);
18     }
19     else
20     {
21         digitalWrite(motor, LOW);
22     }
23     delay(100);
24 }
25
26
```

