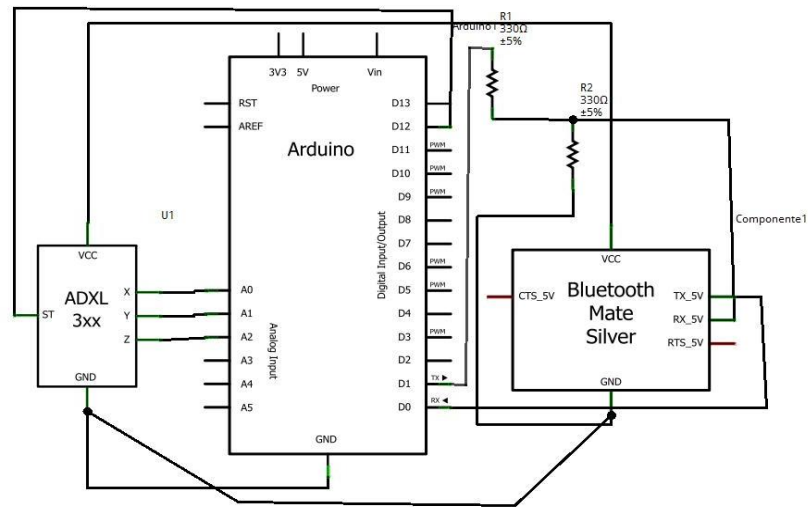
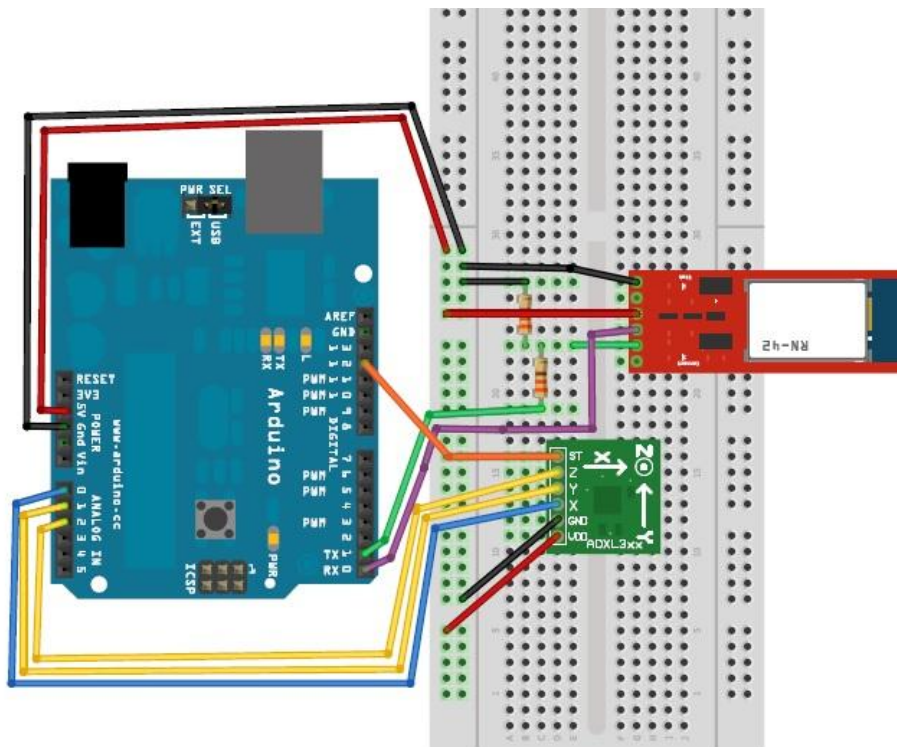


## Esquema do circuito do Arduino com as ligações dos sensores Acelerômetro e módulo Bluetooth



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## Comando do Arduino sensor Acelerômetro (MMA 7361)

```
void setup()
{
  Serial.begin(9600);
}

void loop()
{
  int analogPin0 = 0;

  int sensor1 = analogRead(analogPin0);
  int sensor2 = analogRead(analogPin0);
  int sensor3 = analogRead(analogPin0);
  int sensor4 = analogRead(analogPin0);
  int sensor5 = analogRead(analogPin0);
  int sensor6 = analogRead(analogPin0);
  int sensor7 = analogRead(analogPin0);
  int sensor8 = analogRead(analogPin0);
  int sensor9 = analogRead(analogPin0);
  int sensor10 = analogRead(analogPin0);

  int mediasensorx = (sensor1 + sensor2 + sensor3 + sensor4 + sensor5 + sensor6 + sensor7 + sensor8 +
  sensor9 + sensor10)/10;

  float medsensorvolt0 = (mediasensorx*5.00/1023 - 1.59);

  float acelx = medsensorvolt0*9.81/0.78;

  float tempo = 0;

  tempo = millis ();

  tempo = tempo/1000;

  Serial.print(" ");
```

```
Serial.print(tempo);
```

```
Serial.print(" ");
```

```
Serial.println(accelx);
```

```
delay(50);
```

```
}
```