int const PULSE\_SENSOR\_PIN = 0; // 'S' Signal pin connected to A0

int Signal; // Store incoming ADC data. Value can range from 0-1024

int Threshold = 550; // Determine which Signal to "count as a beat" and which to ignore.

void setup() {

pinMode(LED\_BUILTIN,OUTPUT); // Built-in LED will blink to your heartbeat

Serial.begin(9600); // Set comm speed for serial plotter window

}

void loop() {

Signal = analogRead(PULSE\_SENSOR\_PIN); // Read the sensor value

Serial.println(Signal); // Send the signal value to serial plotter

if(Signal > Threshold){ // If the signal is above threshold, turn on the LED

digitalWrite(LED\_BUILTIN,HIGH);

} else {

digitalWrite(LED\_BUILTIN,LOW); // Else turn off the LED

}

delay(10);

}