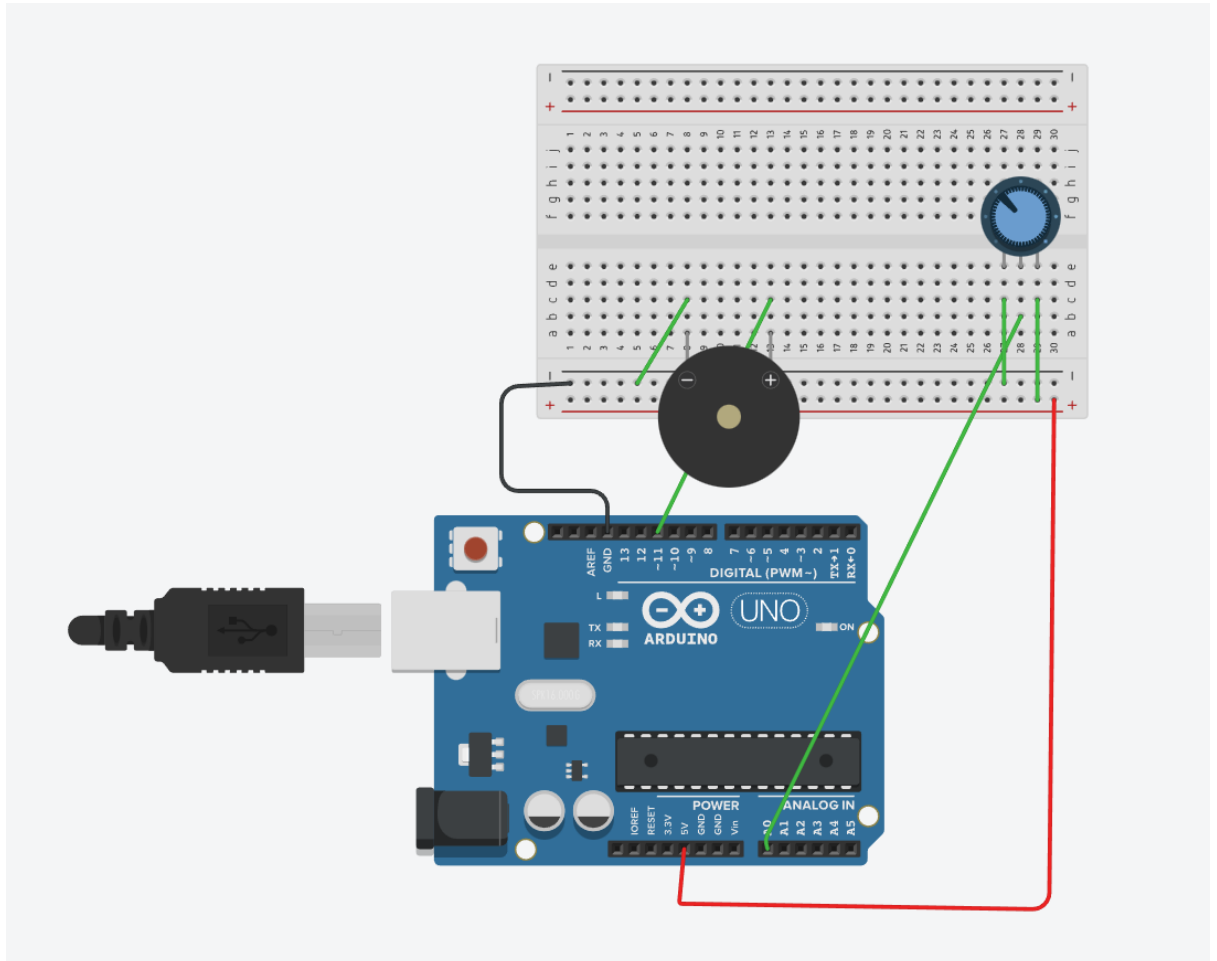# SIT315 – Programming Paradigms

TaskM1.T1P: Build a simple Sense-Think-Act Board

1. Schematic of the board:

The Potentiometer in this schematic is standing in for a Jaycar light sensor. My photoresistors didn't work.
Screenshot of the frequency values sent to the piezo while recording the video demonstration.

File Edit Sketch Tools Help

Arduino Uno ▾

LED.ino

```cpp
1    // C++ code
2    //
3
4    const int pot = A0;
5    const int Piezo = 11;
6
7    void setup()
8    {
9      pinMode(Piezo, OUTPUT);
10     pinMode(pot, INPUT);
11     Serial.begin(9600);
12   }
13
14   void loop()
15   {
```

Output   Serial Monitor ✕

10
80
10
0
10
250
380
670
510
30
20
20
10
0
0
30
30
0
10
220
470
470
0
40
10
0
0
10
20
20
100
60