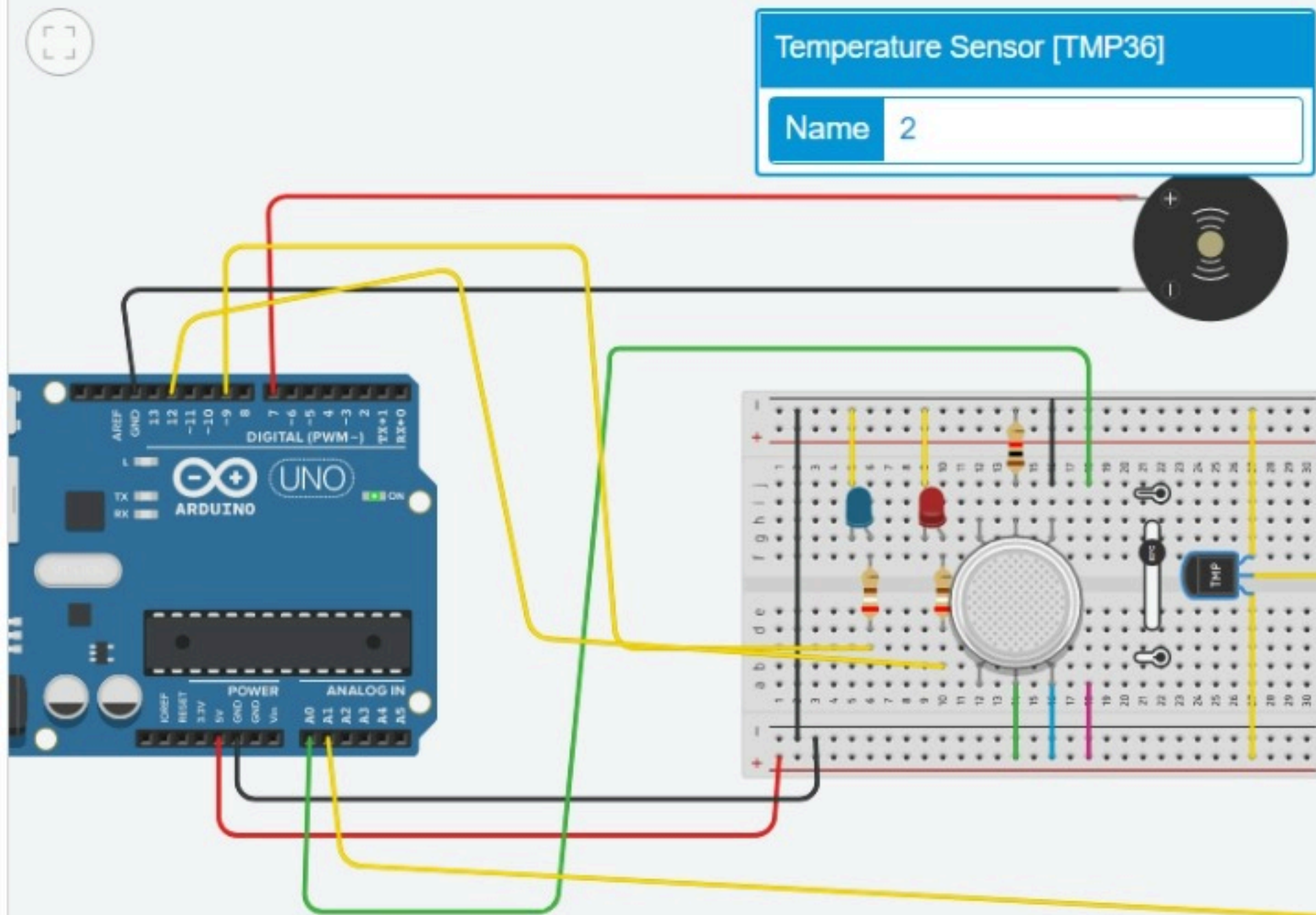
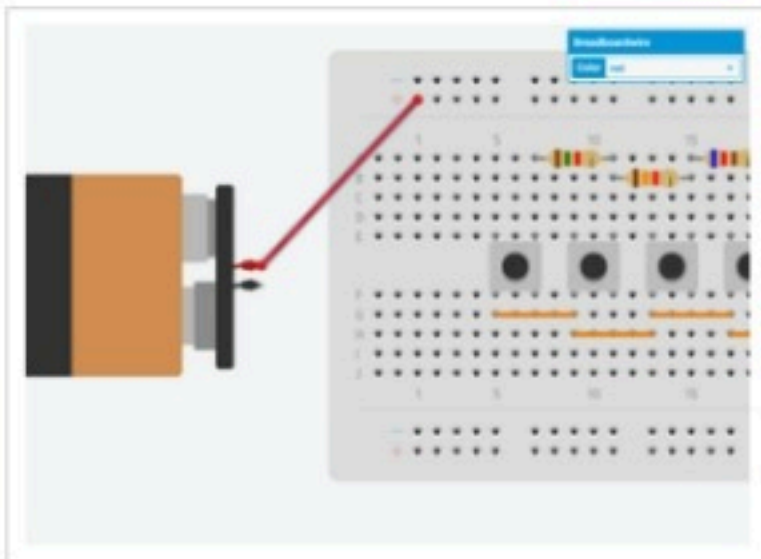


Wiring Components

Let's learn how to wire components together to create electrical connections!



```
1 //AE CODE
2 int V_GasSen = 0;
3 int V_TempSens = 0;
4
5 void setup()
6 {
7   pinMode(A0, INPUT);
8   pinMode(7, OUTPUT);
9   pinMode(4, OUTPUT);
10  pinMode(A1, INPUT);
11  pinMode(2, OUTPUT);
12 }
13
14 void loop()
15 {
16   // Smoke Alarm
17   V_GasSen = analogRead(A0);
18   if (V_GasSen >=250) {
19     tone(7, 523,1000); // play tone 60 (CS =523 HZ)
20     digitalWrite(9, HIGH);
21   }
22
23   V_TempSens = -40 + 0.488155 * (analogRead(A1) -20);
24   if (V_TempSens >=70) {
25     tone(7,523,1000); //play tone 60 (CS = 523 Hz)
26     digitalWrite(12, HIGH);
27   }
28   delay(10); // Delay a little bit to improve simulation performance
29 }
```