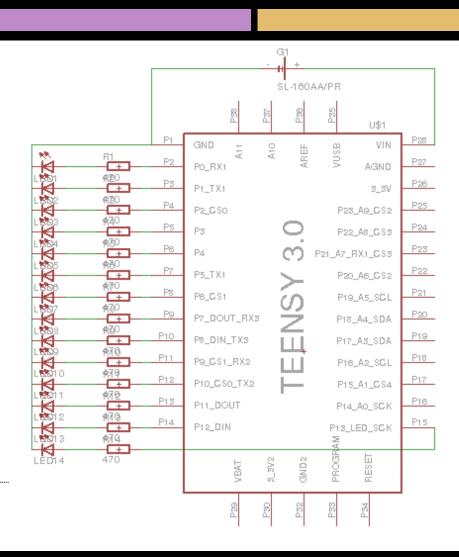
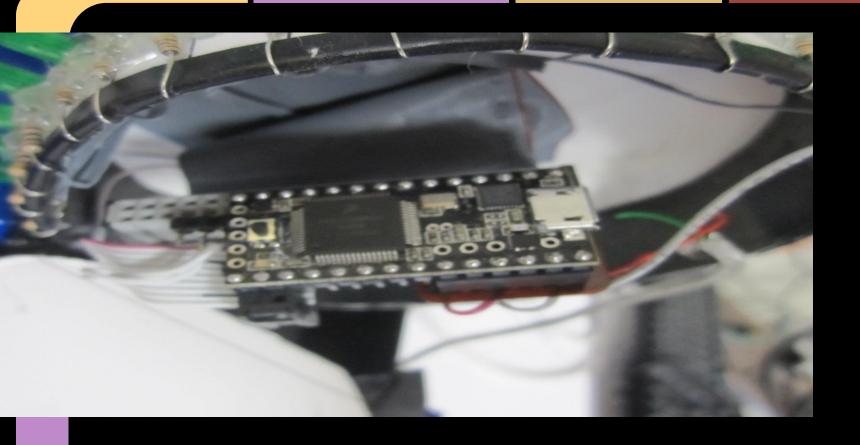
POV Globe

Evan Allen

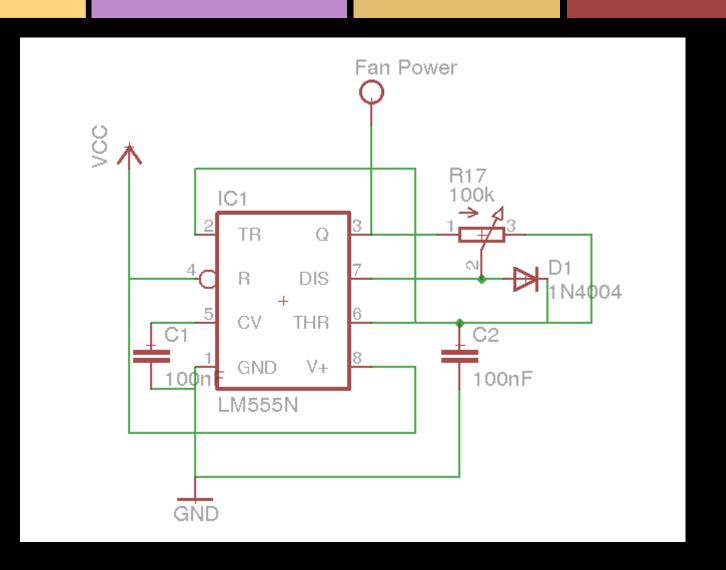
Main Schematic



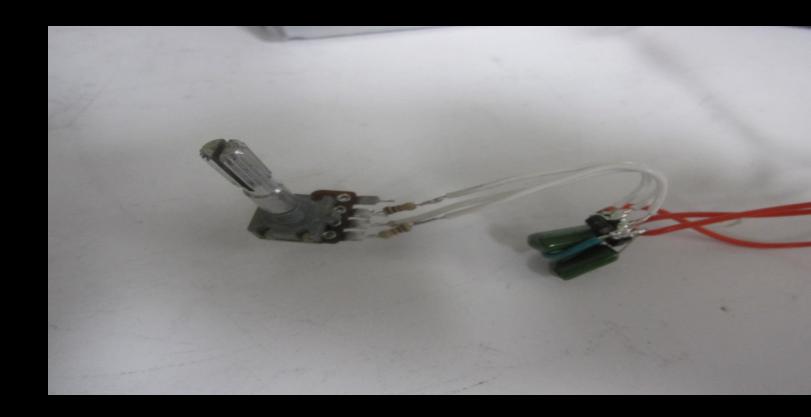
Main Circuit



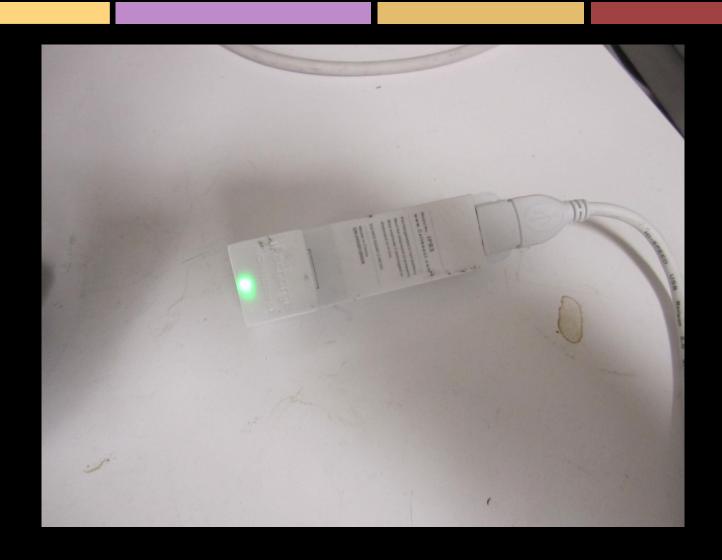
PWM Generator Schematic



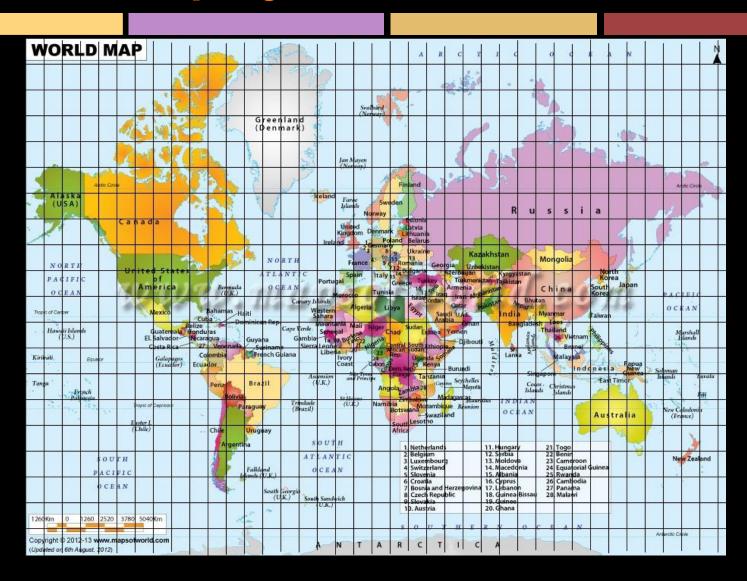
PWM Circuit



Battery



Mercator projection



Code

```
int worldmap[][38] =
 {0,1,1,1,1,1,1,1,1,0,1,0,0,1,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0},
 {0,0,0,0,0,1,1,1,1,1,1,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,},
 {0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,1,1,1,1,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0,},
 {0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0},
 {0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0},
 };
int pinnumbers [] = {0,1,2,3,4,5,6,7,8,9,10,14,12,13};
int d = 1800;
void setup() {
 for (int i = 0; i <= 14; i ++) {
    pinMode(i,OUTPUT);
  }
}
void loop() {
 for (int c = 0; c < = 37; c + + ) {
  for (int r = 0; r <= 14; r ++ ) {
    if( worldmap[r][c] == 1) {
       digitalWrite(r, HIGH);
    if( worldmap[r][c] == 0){
       digitalWrite(pinnumbers[r], LOW);
   delayMicroseconds(d);
```