



The Canadian Satellite Design Challenge Management Society presents...

The CanSat Kit

for

DUMMIES

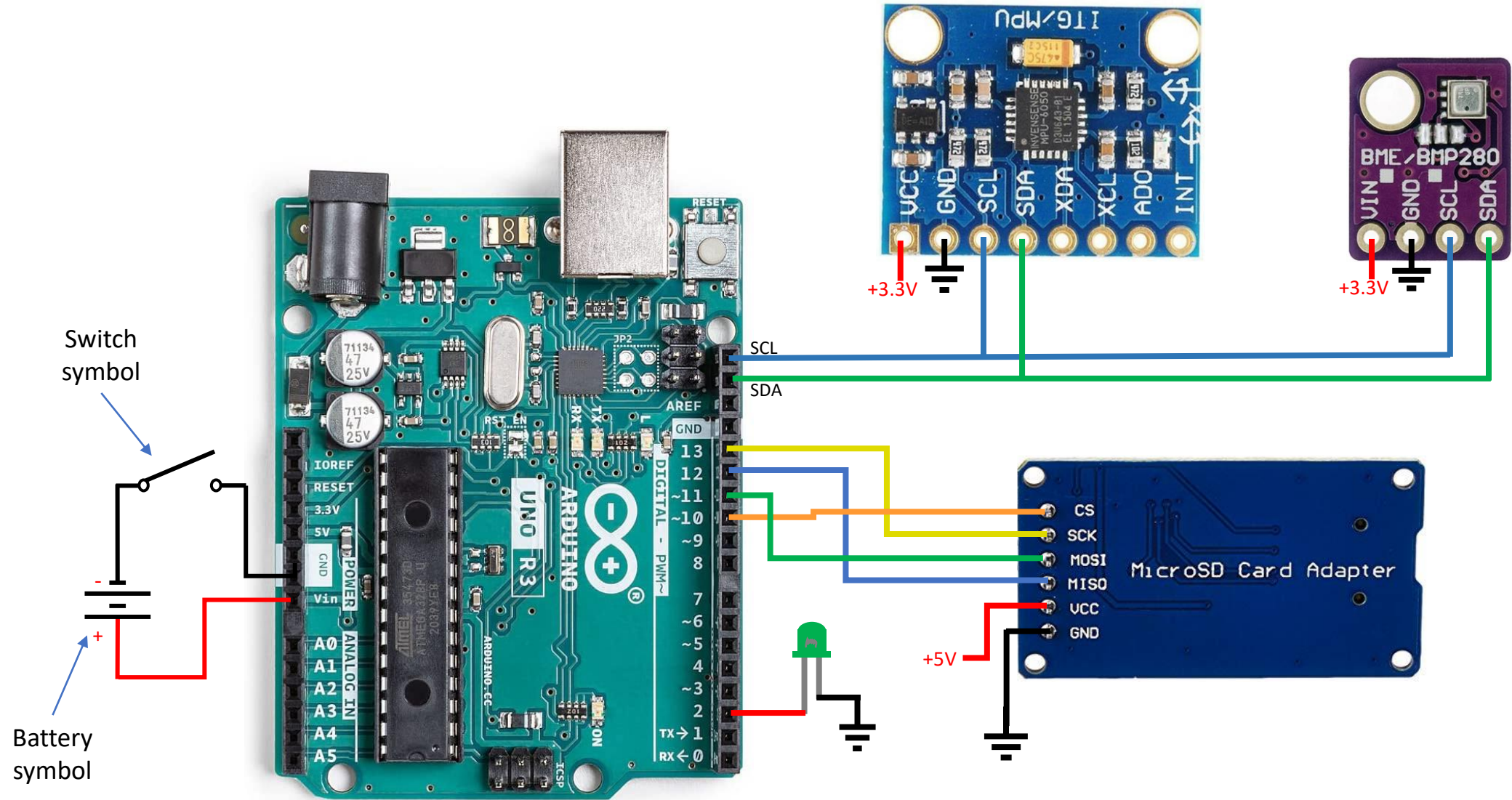
Future Space Scientists & Engineers!

Episode #7b: Creating a “FlatSat” (part 2)

What we're going to do:

- Add in the LED light
- Power the Arduino with a 9V battery, disconnected from the computer.

The Combined Circuit



flash_on_off procedure

```
// -----  
//                               f l a s h _ o n _ o f f  
// -----  
void flash_on_off(int pin_num, int num_times, int duration) {  
    int i;  
  
    for (i=1; i<=num_times; i++) {  
        digitalWrite(pin_num, HIGH); // turn the pin on  
        delay(duration);              // wait for the set duration  
  
        digitalWrite(pin_num, LOW);  // turn the LED off by making the voltage LOW  
        delay(duration);  
    }  
}
```