

**Module 4: Traffic Signal Design**  
**Lesson 1: Traffic Signal (Arduino) Control System**  
**Traffic Signal Arduino Code - Example**  
**Grade 9 - 12**

```
int Green = 2;

int Yellow = 3;

int Red = 4;

void setup() {

  // put your setup code here, to run once:

  pinMode (Green, OUTPUT);

  pinMode (Yellow, OUTPUT);

  pinMode (Red, OUTPUT);

}

void loop() {

  // put your main code here, to run repeatedly:

  digitalWrite (Green, HIGH);

  delay (3000);

  digitalWrite (Green, LOW);

  digitalWrite (Yellow, HIGH);

  delay(2000);

  digitalWrite (Yellow, LOW);

  digitalWrite (Red, HIGH);

  delay (3000);

  digitalWrite (Red, LOW);

}
```