**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);

}