**Code for your Light Detecting Vehicle**

Here is the code for your project 3 vehicle.

You do not have to use this as you program your vehicle. The truth is you should have a file that just works on teleOp mode and another file that just works on autonomous mode. Finally when you figure out autonomous and teleOp you should transfer your code to this.

For the race and final submission you MUST use this code.

Directions:

1) Start a new Sketch

2) Copy and paste the code below into the Sketch. *(It is in yellow on the second page)*

3) You are allowed to write in 3 methods. autonomousMode(), teleOpMode(), and fullStop()

4) You MUST write the 2 methods teleOpMode(), and fullStop().

//DO NOT TOUCH THESE 3 VARIABLES

const int SETUP\_TIME = 5000;

const int AUTONOMOUS\_TIME = 15000;

const int STOP\_TIME = 2000;

void setup() {

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

}

//============================================================

//DO NOT WRITE CODE IN THE LOOP METHOD.

void loop() {

//DO NOT TOUCH THIS CODE

long mil = millis();

if(mil<SETUP\_TIME)

{

//LEAVE THIS BLANK

}

else if(mil<AUTONOMOUS\_TIME+SETUP\_TIME)

{

autonomousMode();

}

else if(mil<AUTONOMOUS\_TIME+SETUP\_TIME+STOP\_TIME)

{

fullStop();

}

else

{

teleOpMode();

}

}

//============================================================

//WRITE CODE IN HERE: YOUR AUTONOMOUS CODE GOES IN HERE. PART 1 OF RACE

void autonomousMode(){

}

//WRITE CODE IN HERE: YOUR TELEOP CODE GOES IN HERE. PART 2 OF RACE

//you MUST write this method

void teleOpMode(){

}

//WRITE CODE IN HERE: YOU SHOULD MAKE EVERY MOTOR STOP

//you MUST write this method

void fullStop(){

}

//Feel free to add more methods.

void teleOpMode(){

}