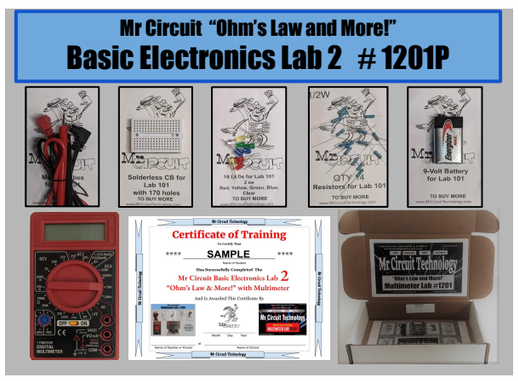
LAB 2

STUDENT PROGRESS SHEET

LAB 2

Today's Date _____



Student Name _____

Instructor Name _____

Name of School or Program _____

	MR CIRCUIT BASIC ELECTRONICS LAB 2	DATES	DATES	DATES
Lesson #	MULTIMETER FUNDAMENTALS "Ohm's Law and More!	Viewed Video	Do Lesson	Fill-in Activity Page
1	Learn schematic symbols for the components in this lab			
2	Learn about batteries and cells and their schematic symbols			
3	Learn about an LED and its schematic symbol			
4	Learn to use the Resistor Color Code for nominal values			
5	Learn to use the Color Code with ±5% Resistors			
6	Learn to use the Color Code with ±1% Resistors			
7	Take inventory of the electronic parts used in this lab			
8	Learn how to build a Simple Series circuit			
9	Learn about the components used in a Simple circuit			
10	Learn how to connect components in a Simple circuit			
11	Learn the construction of a Solderless Circuit Board (SCB)			
12	Learn how to build a Simple Circuit on a SCB			
13	Build two LED circuits and compare the LED brightness			
14	Learn Ohm's Law and how to use it. E = I x R			
15	Learn to use Ohm's Law with resistors in Series			
16	Learn to use Ohm's Law with resistors in Parallel			
17	Learn that all LEDs do not have the same voltage drop			
18	Learn to calculate the resistance needed in a circuit with LEDs			
19	Learn how to connect multiple LEDs in a circuit			
20	Learn how to use a Digital Multimeter (DMM)			
21	Learn unit Conversion - Amps, mAmps, and uAmps			
22	Learn how to measure current with a DMM			
23	Learn about a Series circuit versus the current in the circuit			
24	Use DMM to Verify consistent current flow in a Series circuit			
25	Build a circuit with 470 ohms and measure the current			
26	Build a circuit with 1k ohms and measure the current			
27	Build a circuit with 3.3k ohms and measure the current			
28	Build a circuit with 6.8k ohms and measure the current			
29	Learn how to measure DC Volts with a DMM			
30	Use Ohm's Law and Watt's Law to calculate wattage			
	Received Certificate of Training for Lab 2