

# Unit 3.1 Study Guide



## Best Way to Study

- Go through MyPLTW [3.1.2-3.1.6](#)
- Review Activities and Project
- Review **[Fun With Digital Electronics](#)**

## Terms/Concepts:

- [Breadboard and Electronic Components](#)
- **L7805** voltage regulator
- **RC (Resistor-Capacitor) circuit**
- [Transistors and Capacitors](#)
- [Blinking LED Circuit \(Astable Multi-vibrator\)](#)
- Schematic
- Float
- Ground
- Resistor
- Capacitor
- Switch
- LED
- Diode
- Logic Gates – AND, NAND, OR, NOR, XOR, NOT
- IC
- DIP Switch
- Bread Board
- Jumper
- Latch/Flip-flop
- 555 Timer
- 7 Segment Display
- Multitmode Meter
- DC Power Supply

The [Engineering Formula Sheet](#) will be provided

