



# PyroElectro.com - PyroEDU

## Introduction To Modern Electronics – Lesson 2: Electricity







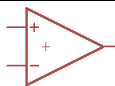
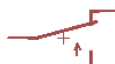


### SCHEMATICS

The following schematic material is meant to go with the online lesson found here:

<http://www.pyroelectro.com/edu/basics/electricity/>

### 10 BASIC CIRCUIT SYMBOLS

There's no need to memorize all these symbols, you'll see them often enough in the coming lessons. The purpose of looking through them now is to get some exposure to the theoretical side of electronics and how we represent electrical components on paper.

Symbol	Name	Description
	Power Supply	Provides the power to your circuit (like a battery).
	Resistor	Resists and slows electrical current.
	Capacitor	Stores electrical current in electricity fields.
	Inductor	Stores electrical current in electro-magnetic fields.
	LED	Light Emitting Diode – emits light when powered on.
	Transistor	Acts as an electrical switch or amplifier.
	OpAmp	Useful for amplifying signals or comparing signals.
	Switch	A standard on/off switch.
	Oscillator	An oscillator for specific timing (like 10 Megahertz).
	Antenna	A standard antenna circuit symbol.

### ADDITIONAL INFORMATION

To ask questions about anything found in this schematic please head on over to the forums located at:

<http://www.pyroelectro.com/forums/viewforum.php?f=22>