

# Tronix Jr. Basic Electronics Labs

Learn Basic Electronics

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## Tronix Jr. Intro Lab TL-JRLAB

<http://www.gssteched.com/tljlalab.html>

### Tronix Labs Menu

This is the most fantastic fun lab for learning electronics. It includes all the parts, solderless circuit board and fully-illustrated manual. Hours of fun and learning. Order it today and get started.



### Contains: 9 Lessons and Experiments

- The Atom, Electron and Basic Circuits
- How to use a Solderless Circuit Board
- How a Resistor Works
- How a Potentiometer Works
- How a Photocell Works
- How a Capacitor Works
- How a Speaker Works
- How a Diode Works
- How a Transistor Oscillator Works



# Tronix Basic Electronics Labs

Learn Basic Electronics

Only \$26.90 ea  
Educator Discount Price  
# TL100

## TRONIX 1 Basic Electronics Lab

Great for  
Middle School, High School,  
Tech School & College!

Labs come with all electronic parts, and Solderless Circuit Board.



<http://www.gssteched.com/TRONIX1.html>

### Tronix 1 Lab includes:

- #TM101 Lab manual - \$13.95 each  
ISBN 0-9712340-0-0
- #TP102 Parts Kit - \$9.95 each
- #CB111 Solderless Circuit Board - \$5.95 each

### Also Available:

- #CD-TL1 Interactive Software: \$99 per computer
- #TL1-WB-40 Student Workbook - \$3.90
- #TL1-WB-15 Student Workbook - \$1.90

This hands-on lab comes complete with a beautiful book, parts, and solderless circuit board to help you build 35 of the most interesting experiments you have ever seen on a solderless circuit board, and as you do, you learn how the basic components work in a circuit. You will enjoy hours of fun creating all kinds of sounds and light displays. There is interactive software for this lab for \$99 per computer.

This lab is used in thousands of schools all over the world. Amaze your friends with all the circuits you can create and you may be on your way to an interesting career in electronics and computers.

Each experiment comes with a complete lesson with drawings and diagrams to explain the basic concepts of digital electronics.  
NO soldering required

Educators: Call for Free Evaluation Copy

### 40 Lessons and Experiments - Table of Contents

L01 - Basic Electronic Circuits	L21 - Railroad Lights
L02 - How to Read the Resistor Color Code	L22 - Variable Speed Lights
L03 - How to Use a Solderless Circuit Board	L23 - Continuity Tester
L04 - How to Read Capacitor Values	L24 - Audio Generator
L05 - How a Resistor Works	L25 - Electronic Police Siren
L06 - How a Potentiometer Works	L26 - IC Screaming Box
L07 - How a Photocell Works	L27 - Variable Timer
L08 - How a Capacitor Works	L28 - Moisture Detector
L09 - How a Speaker Works	L29 - Morse Code Oscillator
L10 - How a Diode Works	L30 - Nose-Beeper Game
L11 - How an SCR Works	L31 - English Police Siren
L12 - How an NPN Transistor Works	L32 - Insanity Alarm Game
L13 - How a PNP Transistor Works	L33 - Electronic Organ
L14 - A Two-Transistor Oscillator	L34 - Ohm's Law / $E=I \times R$
L15 - How a 555 IC Timer Works	L35 - Resistors in Series
L16 - Dual Burglar Alarm	L36 - Resistors in Parallel
L17 - Automatic Night Light	L37 - Measuring Voltage with a MM
L18 - DC to DC Power Supply	L38 - Ohm's Law / $P=I \times E$
L19 - Electronic Metronome	L39 - Kirchhoff's Voltage Law (KVL)
L20 - Electronic Motorcycle	L40 - Kirchhoff's Current Law (KCL)

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