

Introduction to Electronics

Learn about Electronics in this hands-on course!

Build circuits using Snap Circuit™ Kits with parts that do not require solder. Use your own multimeter to measure current, voltage and resistance. Online interactive practice activities and games reinforce concepts and prepare you for your online Quiz.

- Projects help students to apply concepts
- Measure real values to experience electronic principles
- Step by step instructions and worksheets
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Exercise 3
Which schematic represents this Snap Circuit diagram?

A) B)

C) D)

Snap Circuit diagram reproduced with permission from Elenco Electronics Inc. Wheeling, IL. U.S.A.

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Introduction to Electronics Topic Outline

- Electricity, Conductors and Batteries
- Voltage, Current and Kirchhoff's Law
- Series and Parallel Circuits
- Resistors, LEDs, Switches, Lamps and Fuses
- Schematics
- Ohm's Law
- Calculations for Series and Parallel Circuits
- Motors and Motor Circuits
- Introduction to Integrated Circuits
- Logic
- Electronic Sound



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Student Requirements

Algebra Recommended

Course Requirements

Windows or Mac OS
Internet Access
Printer Recommended

Kit

(purchased separately at our Online Bookstore \$35.20 plus shipping)

Snap Circuits™ by Elenco
Student Guide
Multimeter