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CHANEY ELECTRONICS, INC.

2026-2027 Best Electronic Kits Made in the U.S.A. 55+ Years of Quality Kits - Catalog #69



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Electric Slider Robot Kit
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Welcome to Chaney Electronics, Inc.

Dear Teachers and Students,

Welcome back to the 2026/2027 school year! Chaney Electronics, Inc. is honored to have been part of your classrooms since 1970.

Perhaps this is your first-year teaching electronics, engineering, technical or industrial education. With Chaney Electronics products, building kits and labs are educational, affordable, and fun! Each Chaney kit comes complete with all necessary components, a drilled PC board, schematic, assembly instructions, theory of operation, and troubleshooting tips.

We are excited about the addition of our three new STEM kits this year (See Page12). We feel our products are an important part of any STEM, science or electronic program and will provide your students with an edge in today's educational environment.

Ordering has never been so easy or convenient via internet, phone, fax or mail. Since our inventory of over 200 kits and labs are manufactured here in Arizona, U.S.A., you can rely on us to ship your order usually within 24 hours.

Thank you for your continued support of Chaney Electronics, Inc. and our sister store, The Electronic Goldmine. We look forward to your 2025/2026 school year order.

Sincerely,
The Chaney Electronics Staff

How To Order

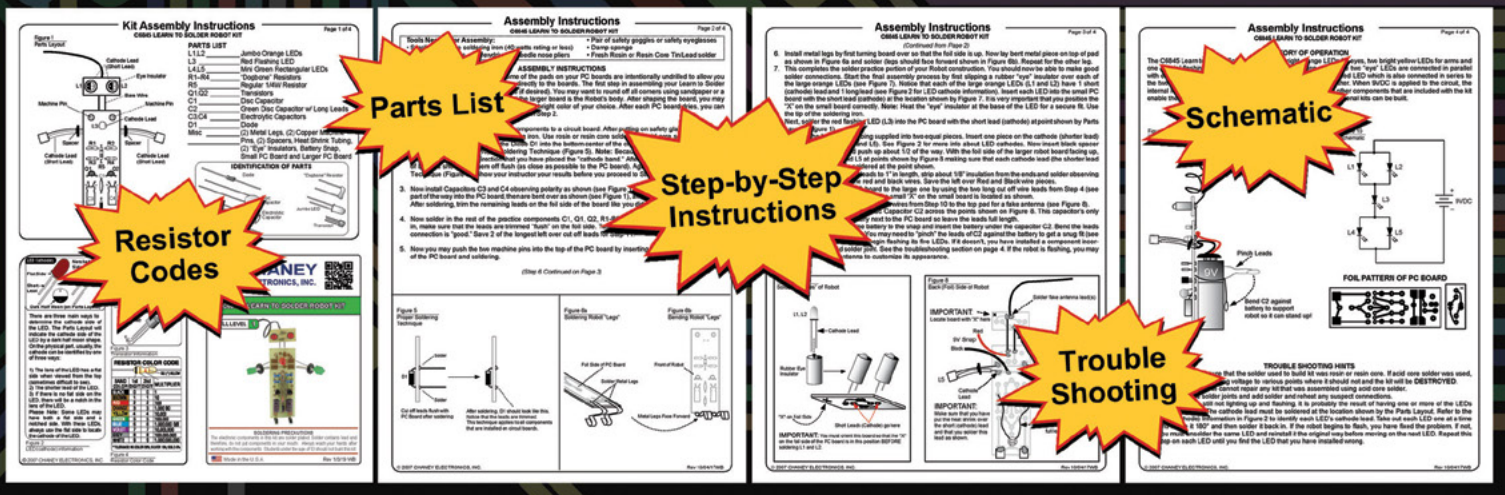
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Excellent instructions make learning to solder enjoyable.



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SKILL LEVELS

We provide Skill Levels so that you can decide whether a student is at the Skill Level required to build that kit.

For safety reasons, we recommend students Not Build AC Powered Kits unless they have had instruction in AC safety precautions.

Skill Level 1	**Beginner**	No previous knowledge of electronics. Needs assistance from instructor.
Skill Level 2	**Intermediate**	Student has built electronic kits before. Knows electrical safety precautions and solders well.
Skill Level 3	**Advanced**	Student has built many kits and has a very good soldering technique.

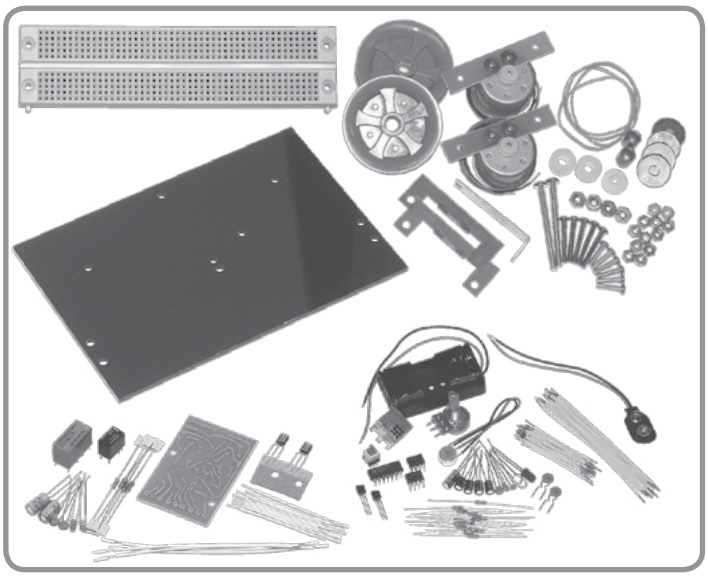
34 in 1
Deluxe Exploration ROBOTICS LAB

Super Value & Reusable!

Introduce your students to the fundamentals of robotics technology while building 28 different robots in one. The student starts by building a simple robot, and then disassembles it to progress to building more complex designs which are remote controlled with IR (infrared) vision and object avoidance. This lab is totally REUSABLE and will stimulate the student's minds in robotic technology. Try it! You will love it!

LAB INCLUDES:

- High Quality Breadboard
- 3 Wheels, 2 Motors, 2 Belts, and Various Mechanical Parts
- Attractive Smoked Plexiglass Base
- All Necessary Electronic Parts
- Fully Illustrated Instructional Manual
- Relay Board (requires soldering)



LEARN ABOUT:

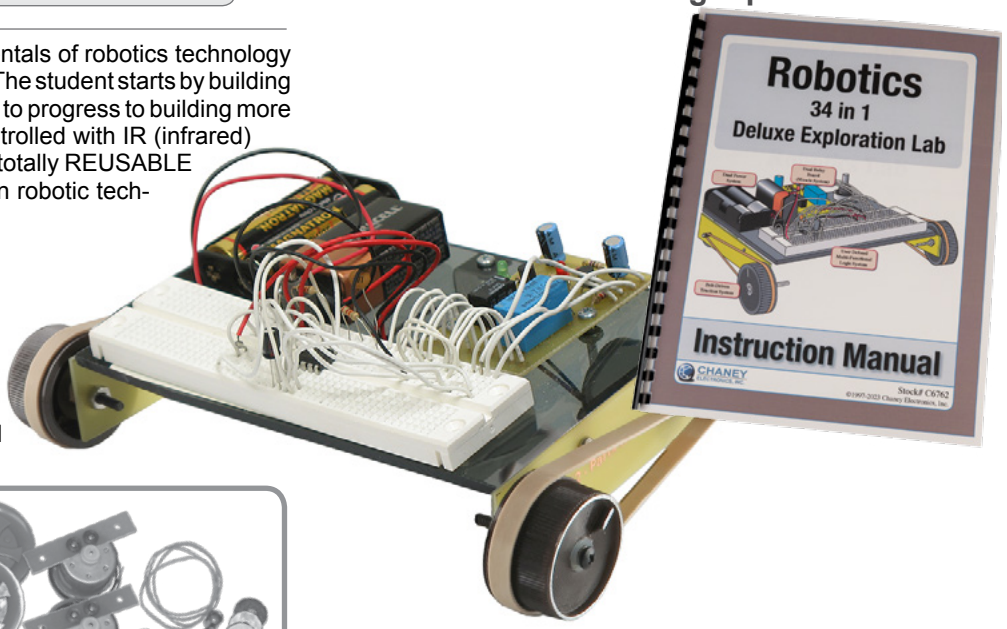
Robot Motor Traction and Power System
Robotic Motion
Time Controlled Motion
Remote Controlled Motion
Robotic Vision (CDS & Infrared)
Sound Detection & Control
... and many more topics.

BUILD THE FOLLOWING ROBOTS:

Explorer I and II
The Unstoppable
The Independent Minded Robot
The Night Runner
The Day Runner
The IR (Eye) Robot
Obedient I (Remote Controlled Robot)
Obedient II (Remote Controlled Robot)
Robot Pet
Obstacle Avoiding Robot I
Obstacle Avoiding Robot II
Big Ears Robot
The Music Dancer Robot
... and many more.

C6762 $77.25

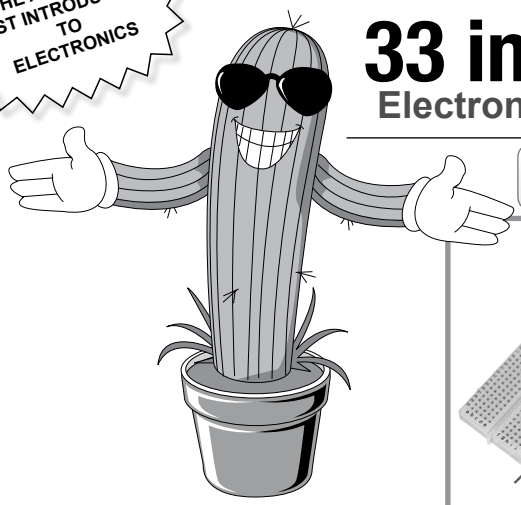
Each experiment is designed to progress in an easy-to-follow and logical manner. Each one explores both meaningful and interesting topics!



34 in 1 Deluxe Exploration Robotics Lab Manual Contents:

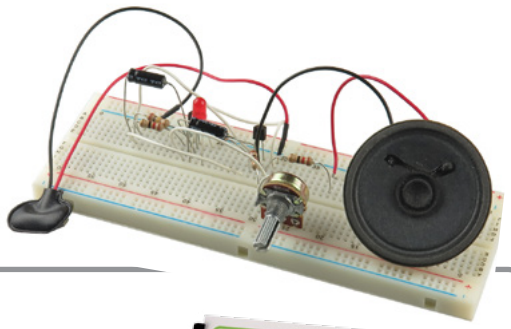
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1	***Lesson 1***	**Introduction to Robotics**
2		Inventory & Parts Identification
3	***Lesson 2***	**The Chaney Robotics Lab**
4	*Experiment 1*	Assembling and Testing the Robot Motor System
5	*Experiment 2*	Assembling the Robot Base and Power System
6	*Experiment 3*	Assembling and Testing the Relay Control Board
7	*Experiment 4*	Robot Forward Motion
8	*Experiment 5*	Robot Backward Motion
9	*Experiment 6*	Robot Forward Right Turn
10	*Experiment 7*	Robot Backward Right Turn
11	*Experiment 8*	Robot Hard Right Turn
12	*Experiment 9*	Robot Forward Left Turn
13	*Experiment 10*	Robot Backward Left Turn
14	*Experiment 11*	Robot Hard Left Turn
15	*Experiment 12*	Time Controlled Motion I
16	*Experiment 13*	Time Controlled Motion II
17	*Experiment 14*	Time Controlled Hard Right Turn
18	*Experiment 15*	Time Controlled Hard Left Turn
19	*Experiment 16*	Explorer I Robot
20	*Experiment 17*	Explorer II Robot
21	*Experiment 18*	The Unstoppable Robot
22	*Experiment 19*	The Independent Minded Robot
23	*Experiment 20*	The Night Runner Robot
24	*Experiment 21*	The Day Runner Robot
25	*Experiment 22*	Infrared (IR) Vision
26	*Experiment 23*	The IR-Eye Robot
27	*Experiment 24*	Obedient I: IR Remote Controlled Robot
28	*Experiment 25*	Obedient II: IR Remote Controlled Robot
29	*Experiment 26*	Robot Pet
30	*Experiment 27*	IR Obstacle Avoiding Robot I
31	*Experiment 28*	IR Obstacle Avoiding Robot II
32	*Experiment 29*	Sound Detection (Robot Ears)
33	*Experiment 30*	Big Ears Robot
34	*Experiment 31*	The Music-Dancer Robot

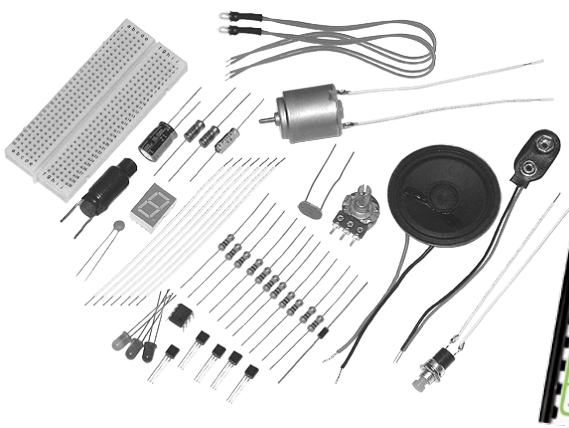
THE ABSOLUTE BEST INTRODUCTION TO ELECTRONICS

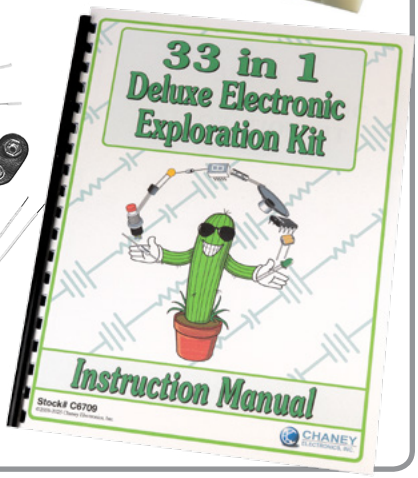


33 in 1
Electronic Exploration Lab

No Soldering Required & Reusable







This exciting breadboard lab requires no soldering or previous electronic experience. The lab enables any student to build 33 different electronic experiments and activities. It's applicable for use in elementary grades up through college and is safe to use. The lab is meant to be used over and over again to save money. Not only is this lab complete with everything the student needs, but also the instruction booklet is designed so that the teacher does not need to be involved (unless he or she desires to be).

The student builds and studies the first 11 instructional circuits which include theory and data facts along with a simple pencil activity quiz. The remaining 22 experiments for the student are fun to build electronic circuits that have a parts list, schematic and parts placement drawing. These give the student an ample introduction to electronic components and circuitry.

Breadboard type kits have been around for years, however, this lab is the first to incorporate an introduction to Ohm's law, electromagnet circuitry, motor circuitry, transistor circuitry, IC circuitry and 7 segment display circuitry all in one lab. There is now no need to have several different breadboard kits to learn basic electronic concepts. One lab covers almost all aspects of basic electronic concepts and components.

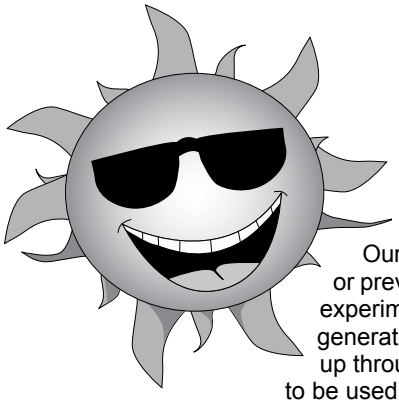
Not only does our 33 in 1 Deluxe Electronic Exploration Lab introduce various electronic educational concepts but it is also a fun and interesting motivational activity for your student. Complete with all electronic parts, breadboard and instruction booklet. Requires one 9V battery (not included). If the student has already built the 33 in 1 Deluxe Electronic Exploration Lab, you may wish to purchase our 35 in 1 Deluxe Digital Lab Exploration Kit shown on page 10 so that the student can gain digital electronics fundamentals.

C6709 $39.95

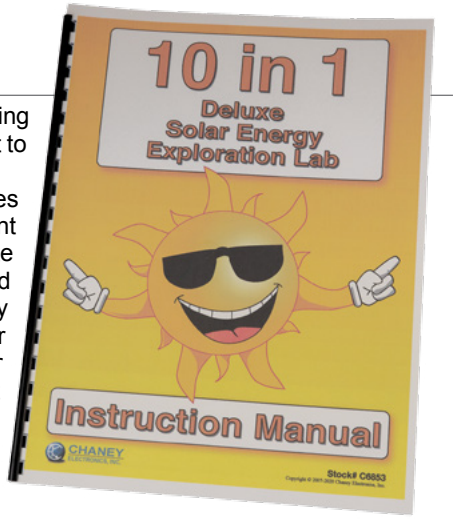
Learn Electronics with our 33 in 1 Deluxe Electronic Exploration Lab!

33 in 1 Electronic Exploration Lab Manual Contents:

	Instructional Experiments	
1	*Experiment 1*	Resistor Color Code
2	*Experiment 2*	Ohm's Law and The Basic Electronic Circuit
3	*Experiment 3*	Parallel Circuit with Lamp
4	*Experiment 4*	Diode Action
5	*Experiment 5*	Light Emitting Diodes
6	*Experiment 6*	Electromagnetism
7	*Experiment 7*	Capacitance
8	*Experiment 8*	Transistor Switch
9	*Experiment 9*	Variable Resistor LED Dimmer
10	*Experiment 10*	DC Motor Experiment
11	*Experiment 11*	Transistor Oscillator
	Electronic Construction Activities	
12	*Activity 12*	7 Segment Display Circuit
13	*Activity 13*	SCR Latching Switch
14	*Activity 14*	Conductor Identifier
15	*Activity 15*	2 Transistor Audio Oscillator
16	*Activity 16*	Continuity Tester
17	*Activity 17*	Multivibrator LED Blinker
18	*Activity 18*	Insanity Alarm
19	*Activity 19*	Light Controlled Bird
20	*Activity 20*	Code Practice Oscillator
21	*Activity 21*	Magic LED Light
22	*Activity 22*	Water Alarm
23	*Activity 23*	Ticking Clock Sound
24	*Activity 24*	Phasor Ray Sound Generator
25	*Activity 25*	Emergency Siren
26	*Activity 26*	Adjustable Blinking Light and Sound
27	*Activity 27*	Timer with LED
28	*Activity 28*	Electronic Motor Speed Control
29	*Activity 29*	IC LED Flasher
30	*Activity 30*	IC Adjustable Frequency Sound Generator
31	*Activity 31*	IC Light Activated Wake Up Alarm
32	*Activity 32*	IC 2 Color LED Flasher
33	*Activity 33*	IC Burglar Alarm

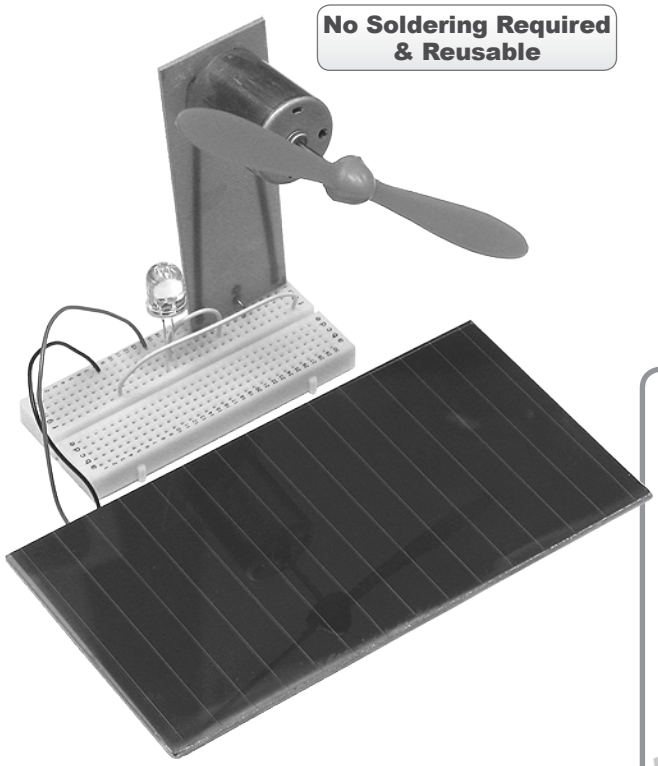


10 in 1
Solar Energy Exploration Lab



Our re-usable Solar Energy Exploration Lab requires no soldering or previous electronic experience. The lab enables any student to experiment with free electricity generated from the sun. Its applicable for use in elementary grades up through college and is safe and easy to use. The lab is meant to be used over and over again to save money. The lab is complete with an instruction booklet and is designed so that the teacher does not need to be involved (unless he or she desires to be). Utilizes a quality universal plug-in breadboard with high quality powerful solar panel, resistors, diode, motor with prop, electronic buzzer, flashing LED, super capacitor and wires. There's nothing extra that you'll need to use this lab and unlike other solar labs on the market, you will get more value from our product as it has many experiments that are unique to our 10 in 1 Solar Exploration Lab. Of course, you'll get a prop experiment plus 9 more fun and educational experiments to challenge your students. In addition, you will receive detailed descriptions of the concepts that each experiment covers. We know you will like our Solar Energy Exploration Lab and will want to have one for everyone in your class. Listed below are the main experiments/activities that the student will perform.

No Soldering Required & Reusable



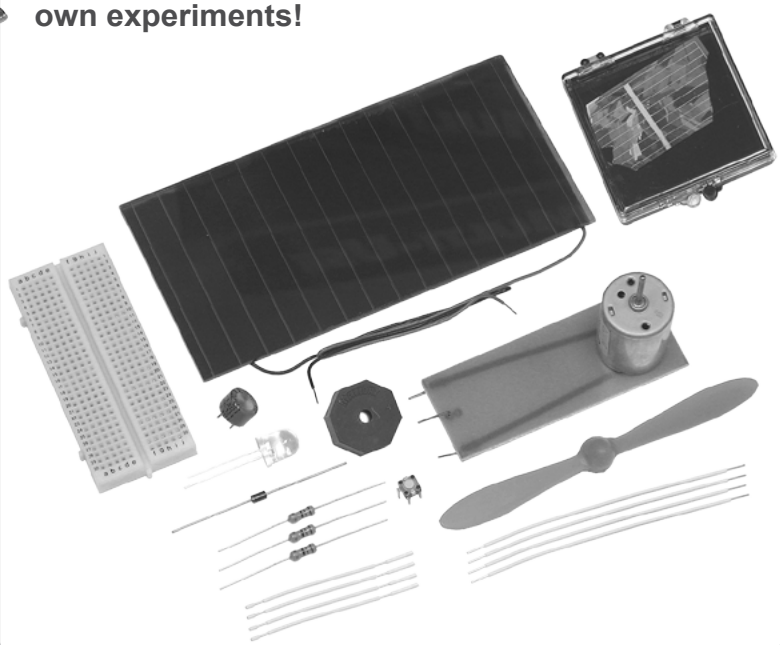
10 in 1 Deluxe Solar Energy Exploration Lab Manual Contents:

		Instructional Lessons & Experiments
1	*Experiment 1*	Introduction to Solar Cells
2	*Experiment 2*	Solar Panels
3	*Experiment 3*	Diode Action
4	*Experiment 4*	Solar Powered DC Motor
5	*Experiment 5*	Resistors & Color Code
6	*Experiment 6*	Solar Powered Alarm
7	*Experiment 7*	Solar Power Storage
8	*Experiment 8*	Solar Powered Flashing Light
9	*Experiment 9*	Solar Pulsating Alarm
10	*Experiment 10*	Another Environmentally Safe Method of Generating Power

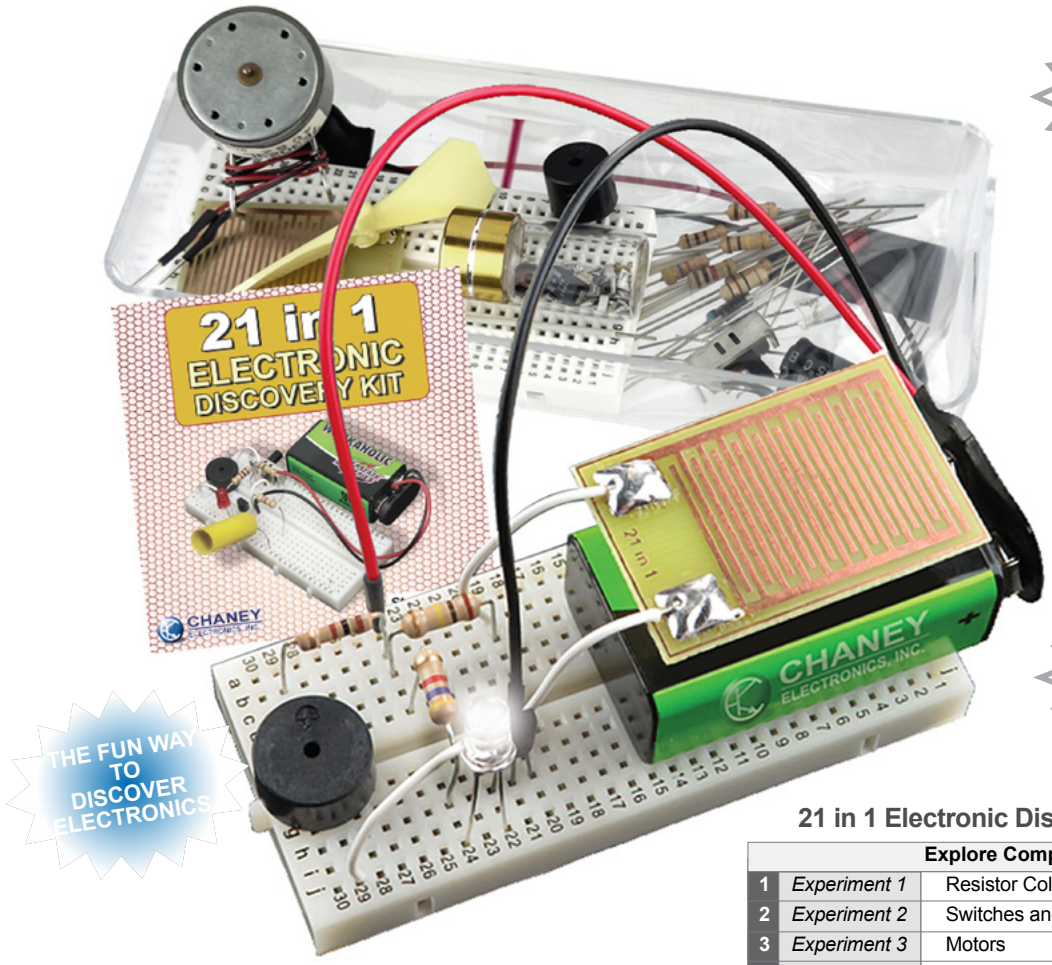
Introduce your students to SOLAR ENERGY with our 10 in 1 Solar Energy Exploration Lab!

C6853 $38.95

This Lab comes with a special glass Solar Panel that produces a useful amount of voltage and current so that it can be used to perform your own experiments!



21 in 1 Electronic Discovery Kit



No Soldering Required!

Completely Reusable!

Storage Box Included!

This is the perfect lab for anyone interested in discovering basic electronic components and electronic circuitry.

This kit consists of a re-usable no solder breadboard and various electronic components including a buzzer, motor, capacitor, CDS cell, resistors and LEDs. Not only do you discover circuits that use these components, you'll also make many fun functional projects.

This kit does not require any soldering and is self contained in a reclosable 5.75" x 2.5" x 2" plastic storage box with small booklet.

21 in 1 Electronic Discovery Kit Lab Contents:

		Explore Components and Build Fun Experiments
1	*Experiment 1*	Resistor Color Code
2	*Experiment 2*	Switches and LEDs
3	*Experiment 3*	Motors
4	*Experiment 4*	In Series Circuits
5	*Experiment 5*	Parallel Circuits
6	*Experiment 6*	Diode Action
7	*Experiment 7*	Flashing LEDs
8	*Experiment 8*	Capacitor Storage
9	*Experiment 9*	Electronic Buzzers
10	*Experiment 10*	Transistors
11	*Experiment 11*	Rain Detector
12	*Experiment 12*	Flood Alarm
13	*Experiment 13*	Burglar Alarm
14	*Experiment 14*	Light Sensitive CDS Cells
15	*Experiment 15*	Automatic Night Light
16	*Experiment 16*	People Detector
17	*Experiment 17*	Pulsating Motor
18	*Experiment 18*	Insanity Alarm
19	*Experiment 19*	Automated Match Blower
20	*Experiment 20*	Super Sensitive Conductor Identifier
21	*Experiment 21*	Surface Mount Devices

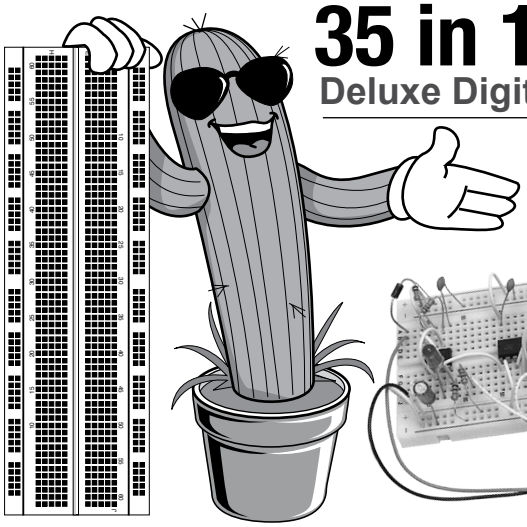
C7089 $25.95

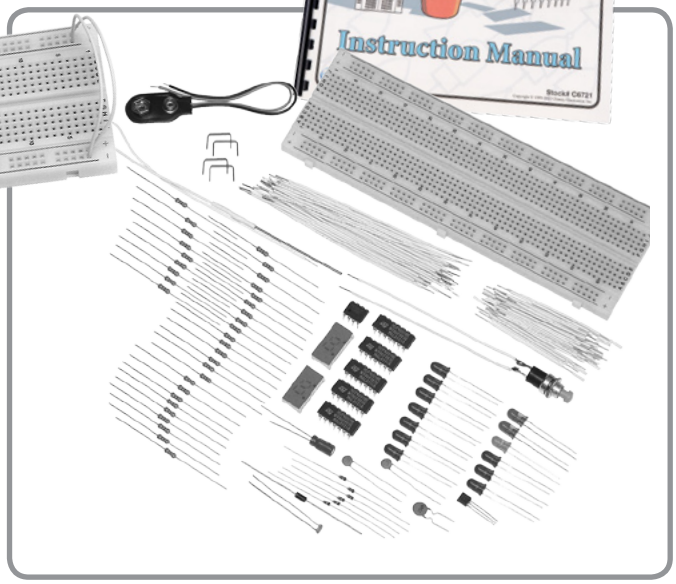
Explore Components and Build Fun Experiments using our 21 in 1 Electronic Discovery Kit!

35 in 1

No Soldering Required & Reusable

Deluxe Digital Exploration Lab





35 in 1 Deluxe Digital Exploration Lab Manual Contents:

		Tips on Building the Experiments
		The Universal Solderless Breadboard: Use and Preparation
		Instructional Lessons & Experiments
1	**Lesson 1**	**Introduction to Digital Electronics**
2	*Experiment 1*	The Logic Probe: "The Tool"
3	*Experiment 2*	The YES Logic Circuit: "The Buffer"
4	*Experiment 3*	The NOT Logic Circuit: "The Inverter"
5	*Experiment 4*	The AND Logic Gate
6	*Experiment 5*	The OR Logic Gate
7	*Experiment 6*	The NAND Logic Gate
8	**Lesson 2**	**Components, Gates and ICs**
9	*Experiment 7*	The NOR Logic Gate
10	*Experiment 8*	Building the Six Basic Logic Gates Using Only NOR Gates
11	**Lesson 3**	**Combinational & Sequential Circuits, Boolean Algebra & Timing Diagram**
12	*Experiment 9*	"The Clock": Astable Multivibrator
13	*Experiment 10*	The 555 Timer IC
14	*Experiment 11*	"The Timer": Monostable Multivibrator
15	*Experiment 12*	"The Flip–Flop": Bistable Multivibrator
16	*Experiment 13*	Reaction Challenge Game
17	**Lesson 4**	**The Binary Numbering System**
18	*Experiment 14*	The Binary Counter/Divider
19	*Experiment 15*	Manual Binary Counter & Switch Debouncing
20	*Experiment 16*	The BCD Counter (Decade Counter)
21	*Experiment 17*	Touch Activator ON/OFF Switch
22	*Experiment 18*	Seven Segment Display Decoder
23	*Experiment 19*	"0 to 9" Counter with Display
24	*Experiment 20*	Lucky Number Generator
25	*Experiment 21*	Electronic Die Game
26	*Experiment 22*	0 to 9 Photoelectric Counter
27	*Experiment 23*	Sequential LED Flasher
28	*Experiment 24*	Triple Answer Decision Maker
29	*Experiment 25*	"10 by 10" Reaction Game
30	*Experiment 26*	Touch Activated Brightness Control
31	*Experiment 27*	Macho Meter
32	*Experiment 28*	"Go for the Gold" Game
33	*Experiment 29*	0 to 99 Counter with Display
34	*Experiment 30*	0 to 99 Photoelectric Counter
35	**Lesson 5**	**Troubleshooting Techniques**

This lab does not require soldering, is reusable, and contains 5 lessons and 30 meaningful and exciting digital experiments. The booklet is fully illustrated with easy-to-follow pictorial diagrams and schematics. It is designed so that the teacher does not need to be involved (unless he or she desires to be). It is applicable for use in junior high grades up through college. All experiments operate on one 9V battery (not included) so there are no dangerous voltages involved. Compared to other similar digital labs, you will find that this lab is far superior in that it contains a wider variety of digital components, including a double binary counter and two 7-segment displays, allowing the students to build "0 to 99" digital counters instead of only "0 to 9". This lab also includes LEDs of three different colors (red, green, and yellow), and uses a uniform prewired breadboard system which is applied in each experiment, along with reverse polarity protection and a switch wire to prevent damage to the ICs or battery snap. This lab also covers more digital topics such as Boolean algebra, timing diagrams, frequency and duty cycle formulas, troubleshooting techniques. The lab includes a 96 page, fully illustrated manual, a large solderless breadboard, 6 integrated circuits, a CDS photocell, plus all other parts necessary to perform each experiment. Just supply a fresh 9V battery and nothing else is required to perform all the experiments in the book. The Complete 35 in 1 Deluxe Digital Exploration Lab is self-contained and ready to use!

C6721 $49.75

The perfect lab to introduce students to Digital Electronics and Computer Technology!

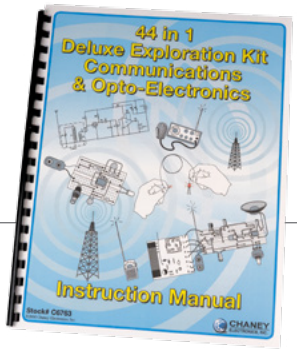
Optional Logic Probe: Although the 35 in 1 Deluxe Digital Lab includes a simple logic probe section built on the breadboard, you may wish to purchase the very inexpensive Chaney C6722 CMOS/TTL Logic Probe Kit. Although this is totally optional you will find that this logic probe is very useful to test and troubleshoot all kinds of digital circuits. (See Page 37).

44 in 1

Super Value & Reusable

Communications & Opto-Electronics Deluxe Exploration Lab

The best introduction to Radio Communications and Opto-Electronics.



Build:

- **PA Systems with Microphone and Speakers**
- **AM Radio Receiver**
- **AM & FM Broadcast Stations**
- **Optical Receivers & Transmitters**
- **Infrared Communication Links**
- **Fiber Optic Communication Links**
- **IR Remote Control Transmitters and Receivers**
- **IR Proximity Detectors**

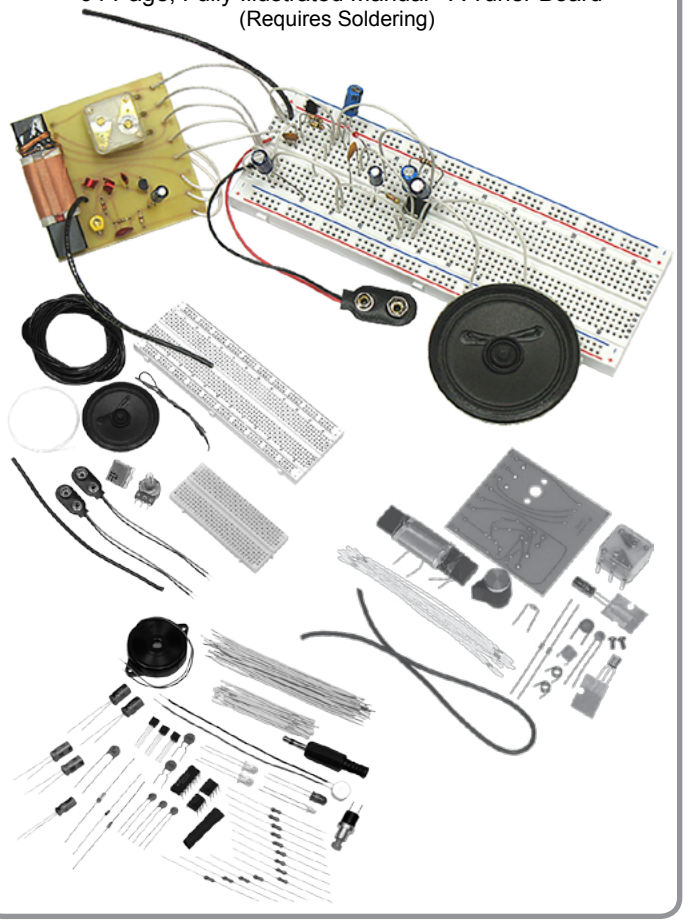
...and Many More!

This lab was created with the student in mind. It will keep the hands and minds of the students busy building amazing communication experiments by using wire, fiber optics, radio waves, light and infrared links. No previous knowledge or experience is required.

Try it! We are sure you will be completely satisfied with this exciting and fun Chaney Communications Lab.

C6763 $58.75

Lab includes:
• Over 50 Electronic Components • 2 Solderless Breadboards
• 64 Page, Fully Illustrated Manual • A Tuner Board
(Requires Soldering)



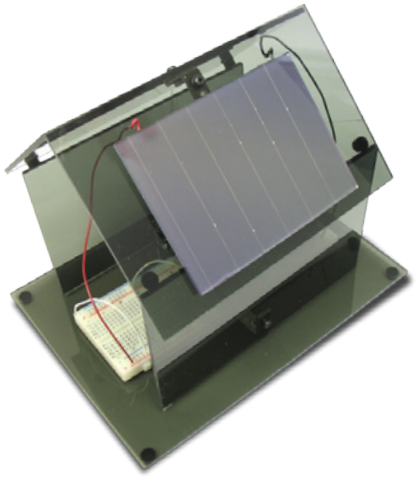
Introduce your students to the basics of various communication systems with this exciting and reusable Communications Training Lab.

44 in 1 Communications & Opto-Electronics Deluxe Exploration Lab Manual Contents:		
1		Introduction
2		Parts Inventory
3		Preactivity
		Instructional Lessons & Experiments
4	**Lesson 1**	**Electronic Communication**
5	*Experiment 1*	Morse Code Generator
6	*Experiment 2*	1-Wire Telegraph System
7	*Experiment 3*	2-Wire PA System
8	*Experiment 4*	Coaxial Cable PA System
9	**Lesson 2**	**Alternating Current (AC) Characteristics**
10	**Lesson 3**	**Radio Communication & Electromagnetic Waves**
11	**Lesson 4**	**Frequency Spectrum**
12	**Lesson 5**	**Wireless Lightwave Communication**
13	*Experiment 5*	Opto Receiver
14	*Experiment 6*	Opto Transmitter
15	*Experiment 7*	Infrared Opto Transmitter
16	*Experiment 8*	Opto Voice Transmitter
17	*Experiment 9*	Infrared Opto Voice Transmitter
18	*Experiment 10*	Opto Music Transmitter
19	*Experiment 11*	Infrared Opto Music Transmitter
20	**Lesson 6**	**Fiber Optics Communication**
21	*Experiment 12*	Introduction to Fiber Optics
22	*Experiment 13*	Fiber Optics - Dual Color Transmission
23	*Experiment 14*	Fiber Optics - Multiple Fiber Transmission
24	*Experiment 15*	Fiber Optic Audio Link
25	*Experiment 16*	Infrared Fiber Optic Audio Link
26	*Experiment 17*	Infrared Remote Control Receiver
27	*Experiment 18*	Infrared Remote Control Transmitter
28	*Experiment 19*	Audible Infrared Remote Control Receiver
29	*Experiment 20*	Infrared Proximity Detector
30	*Experiment 21*	Audible Infrared Proximity Detector
31	*Experiment 22*	Infrared On/Off Remote Control Switch
32	*Experiment 23*	Simple Infrared Transmitter
33	**Lesson 7**	**AM/FM Radio Communication**
34	*Experiment 24*	Crystal Radio Receiver
35	*Experiment 25*	Basic AM Receiver
36	*Experiment 26*	AM Radio Receiver with Speaker
37	*Experiment 27*	AM Radio Receiver with Speaker and Volume Control
38	*Experiment 28*	AM Tone Transmitter
39	*Experiment 29*	AM Code Transmitter
40	*Experiment 30*	AM Broadcast Station
41	*Experiment 31*	AM Microphone Transmitter
42	*Experiment 32*	FM Tone Transmitter
43	*Experiment 33*	FM Code Transmitter
44	*Experiment 34*	FM Microphone Transmitter

54 in 1

Solar House "Green Energy" Lab

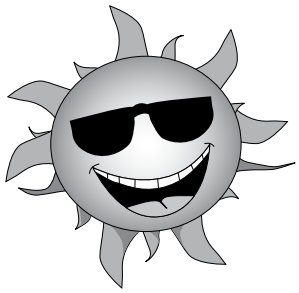
Have you seen a house with a solar panel on the roof and wondered how it produces electricity? In response to increasingly high electricity costs and the overall well-being of our environment, advanced technologies in solar energy has made it possible for home owners and businesses to install Photovoltaic Solar Panels to convert sunlight to usable electricity and heat. With this in mind, we have designed this course for the inquisitive student that wants to gain an understanding of how different technologies using green or alternate energy can be used in the home.



In this course, we will create our own model house made of Plexiglass and install an amorphous silicon glass solar panel to simulate how we can harness the sun's energy into one's house. The solar panel that we will be using will provide the energy used for all of our experiments. We will perform most experiments with solar energy stored in a battery that has been charged from our solar panel along with a re-useable solderless breadboard.



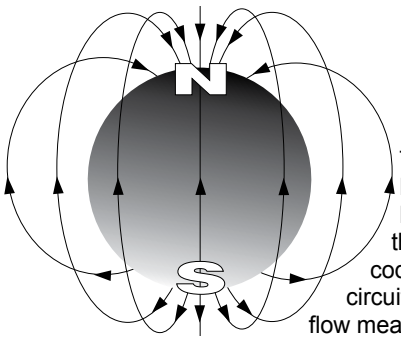
The fully illustrated and detailed manual included in this course will introduce the student to some basic technology and fundamental concepts used in common household devices such as lighting, thermostats, fire alarms, and burglar alarms. In order to study these technologies, we are going to study solar panels, motors, fans, resistors, diodes, LEDs, switches, lamps and batteries. The easy-to-follow pictorial diagrams will guide



C7041 $66.25

54 in 1 Solar House "Green Energy" Lab Contents:

	Introduction	**Experiment 1**	Battery Charging with solar Power
Chapter 1	Energy Sources	**Experiment 2**	Switches
Chapter 2	Constructing the Solar House	**Experiment 3**	Fans
Chapter 3	Solar Systems	**Experiment 4**	Diodes
Chapter 4	Solar Cells	**Experiment 5**	LEDs
Chapter 5	Solar Panels	**Experiment 6**	LED Lighting Color Temperature
Chapter 6	Inverters	**Experiment 7**	Incandescent Lamps vs LEDs
Chapter 7	Grid-Tied vs Off-Grid	**Experiment 8**	Parallel Circuits
Chapter 8	Batteries	**Experiment 9**	Series Circuits
Chapter 9	Metering	**Experiment 10**	Automatic Outdoor Lighting
Chapter 10	Disconnect	**Experiment 11**	Transistors
Chapter 11	Charging Batteries with Solar Power	**Experiment 12**	Conductors
Chapter 12	Resistors	**Experiment 13**	Water Flood Alarm
Chapter 13	Switches	**Experiment 14**	Doorbell
Chapter 14	Ceiling Fans	**Experiment 15**	Thermostat
Chapter 15	Diodes	**Experiment 16**	Burglar Alarm
Chapter 16	LEDs	**Experiment 17**	Fire Alarm
Chapter 17	Lighting	**Experiment 18**	Electronic Candle
Chapter 18	Series Circuit vs Parallel Circuits	**Activity 1**	Energy Activity
Chapter 19	Outdoor Lighting	**Activity 2**	Solar Systems Activity
Chapter 20	Transistors	**Activity 3**	Solar Cells Activity
Chapter 21	Conductors	**Activity 4**	Solar Panels Activity
Chapter 22	Water Flood Alarm	**Activity 5**	Batteries Activity
Chapter 23	Doorbell	**Activity 6**	Resistors Activity
Chapter 24	Thermostats	**Activity 7**	Ceiling Fans Activity
Chapter 25	Burglar Alarm	**Activity 8**	Diodes Activity
Chapter 26	Fire Alarm	**Activity 9**	LEDs Activity
Appendix	Additional Information	**Activity 10**	Conductors Activity



25 in 1

Deluxe Magnetism, Motors and DC Circuits Exploration Lab

This fun, interesting and reusable Exploration Lab is perfect for any beginning student in Science, Electricity/Electronics, or Physics.

Not only does this lab introduce students to important concepts in magnetism, but also it introduces them to resistance, capacitance, diode action, LEDs, electromagnets, motors, switch operation, color code for resistors, series/parallel circuits, basic Ohm's Law, current flow measurement and even electricity generation.

This breadboard lab requires no soldering and is battery operated for safety. This lab doesn't require any previous experience or knowledge. The instructor does not need to be involved and the lab will amaze and provide interesting experiments to motivate your students. This lab can be used over and over again so it is very economical.

The 25 in 1 Deluxe Magnetism Lab covers some of the same concepts that are presented in our 33 in 1 Electronic Exploration Lab, however the 33 in 1 moves onto electronic concepts whereas this lab concentrates on electricity and magnetism concepts and goes into more depth in these areas. It's best to have the students complete the 25 in 1 Deluxe Magnetism Lab first and then move on to the 33 in 1 Deluxe Electronic Exploration Lab if possible, although each lab can be used alone and neither lab requires any previous knowledge of electricity!

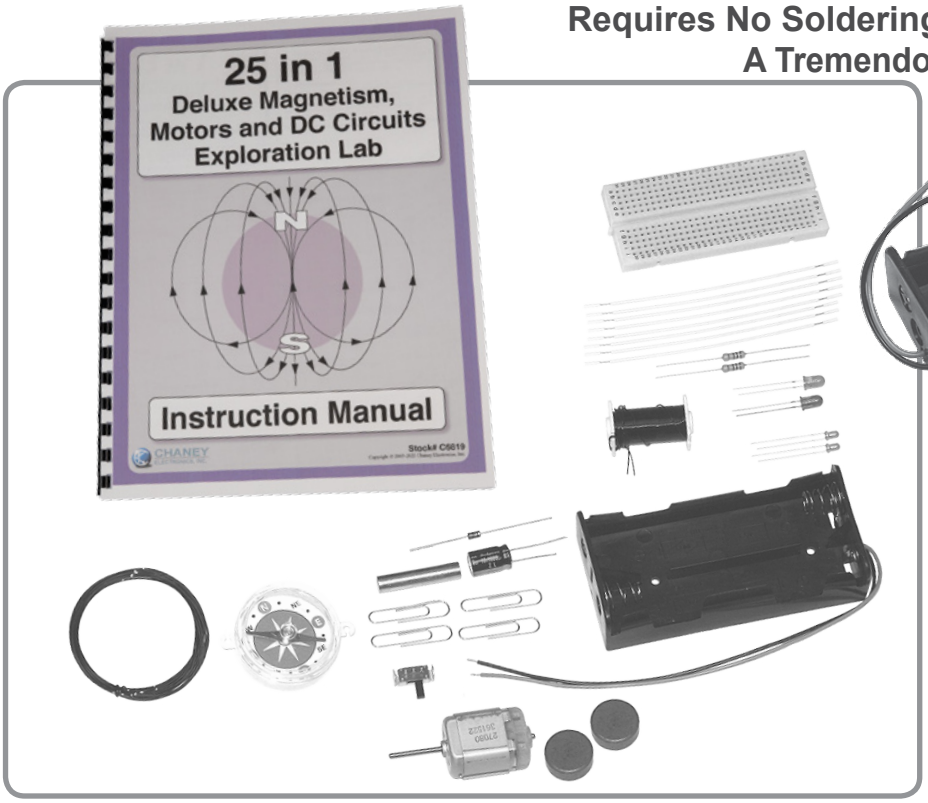
The Deluxe Magnetism Lab Instruction Manual features 25 exciting and fun to build learning experiments. Each experiment has an explanation, a hands-on lab that the student completes and a short quiz to help with the learning experience and reinforce important concepts.

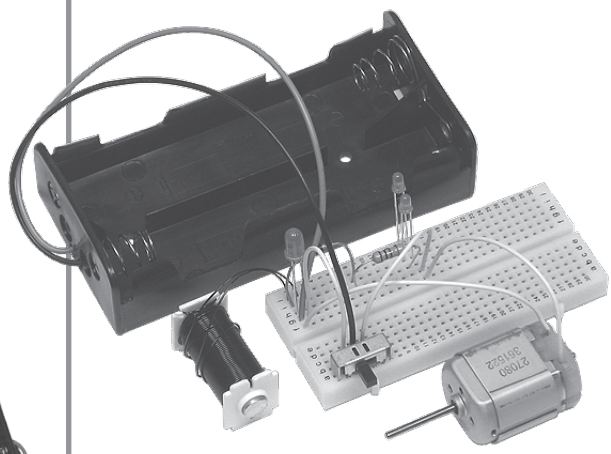
Please look at the list of experiments on the right and you'll discover that the 25 in 1 Deluxe Magnetism, Motors and DC Circuits Exploration Lab is the best introduction to electricity and magnetism, at an affordable price on the market today. Complete with all parts, universal breadboard and comprehensive Lab Manual. Requires 4 "C" batteries (not included). Skill Level 1.

25 in 1 Deluxe Magnetism Exploration Lab Manual Contents:

	Instructional Lessons & Experiments	
1	*Experiment 1*	Permanent Magnets
2	*Experiment 2*	Electromagnets
3	*Experiment 3*	Compass Operation
4	*Experiment 4*	Galvanometer
5	*Experiment 5*	The Basic Electrical Circuit
6	*Experiment 6*	Resistors / Color Code
7	*Experiment 7*	Light a LED
8	*Experiment 8*	The Diode
9	*Experiment 9*	Series Circuits
10	*Experiment 10*	Parallel Circuits
11	*Experiment 11*	Series / Parallel Circuits
12	*Experiment 12*	Current Flow in Circuits
13	*Experiment 13*	Ohm's Law
14	*Experiment 14*	Switch Action
15	*Experiment 15*	Make a Simple Motor
16	*Experiment 16*	Practical Motor
17	*Experiment 17*	Complex Circuit
18	*Experiment 18*	Insulator or Conductor
19	*Experiment 19*	Flashing LEDs
20	*Experiment 20*	The Capacitor
21	*Experiment 21*	Electronic Coin Flipper
22	*Experiment 22*	Swinging Compass
23	*Experiment 23*	Stop/Go Motor with Indicators
24	*Experiment 24*	Small Electricity Generator
25	*Experiment 25*	Storage and Use of Electricity

Requires No Soldering & Can Be Used Over and Over
A Tremendous Educational Value!





25
Reusable Experiments

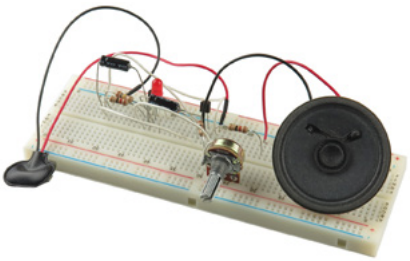
C6819 $33.25

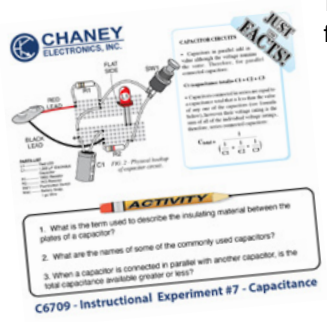
STEM Learning : Non-Soldering Kits

Circuits without Solder - Science Made Simple

C6709 - 33 in 1 Deluxe Electronic Exploration Lab

Discover hands-on electronics with the 33-in-1 Deluxe Electronic Exploration Kit! This exciting STEM educational kit requires no soldering or prior experience, making it perfect for students and beginners eager to dive into the world of circuitry. With 33 engaging experiments and activities, students can explore electronic components like resistors, transistors, LEDs, and more.





The first 11 instructional circuits provide essential theory, data facts, and quizzes, while the remaining 22 projects focus on fun, practical circuit building with schematics and parts placement. This reusable breadboard kit introduces foundational concepts such as Ohm's Law, electromagnetism, transistor operations, and motor circuitry—all in one comprehensive package. Complete with all required components and a detailed instruction booklet, this kit supports independent learning and exploration while saving money through its reusable design. Inspire your student to discover the basics of electronics with this innovative and motivational activity. Requires one 9V battery (not included).



33 in 1 Deluxe Electronic Exploration Lab **C6709** **$39.95**

Galactic Transmitter Kit

After crash-landing on a remote desert moon, your cadets must assemble the provided components into a communication beacon using a reusable breadboard to signal for rescue. But once activated, the flickering light and eerie piezo tones spark a chilling thought: was it a call for help... or a signal that gave them away to aliens? This beginner-friendly kit uses a reusable breadboard, making it perfect for other cadets to rebuild and experiment with their own hands. Complete with all parts and components. Overall size of PC board: 1-1/2" x 1-3/8". Operates from one 9V battery (not included). Skill Level 1.



Galactic Transmitter Kit **C7417** **$11.95**

Dragonfly & Magical LED Kit

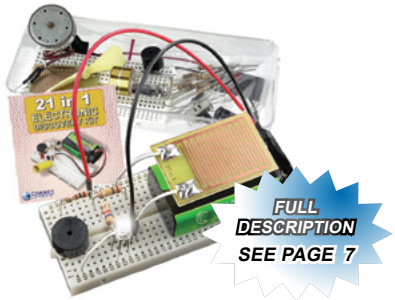
A unique non-soldering light-controlled buzzing dragonfly kit which is constructed on a small breadboard. The Dragonfly & Magical LED Kit uses a flickering yellow LED that has a built-in integrated circuit which causes a small vibrator motor attached to paper wings to vibrate as well as a bright yellow LED to flicker when a CDS (light sensitive cell) detects the absence of bright light. The breadboard is about 1.5" x 1.9" and the kit operates from one 9V battery (not included). Complete with all parts, breadboard, paper wings and paper flower that you cut out. Complete easy to understand instructions. Here is an interesting and unique easy to assemble kit to motivate students with STEM concepts. Skill level 1.



Dragonfly & Magical LED Kit **C7416** **$11.50**

21 in 1 Electronic Discover Kit

This is the perfect lab for anyone interested in discovering basic electronic components and electronic circuitry. This kit consists of a re-usable no solder breadboard and various electronic components including a buzzer, motor, capacitor, CDS cell, resistors and LEDs. Not only do you discover circuits that use these components, you'll also make many fun functional projects. This kit does not require any soldering and is self contained in a reclosable 5.75" x 2.5" x 2" plastic storage box with small booklet.

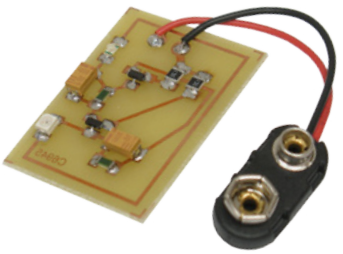


FULL DESCRIPTION SEE PAGE 7

21 in 1 Electronic Discover Kit **C7089** **$25.95**

The latest technology in electronic products is Surface Mount Devices (SMDs). SMDs are tiny leadless (short lead) components that are used in almost everything from computers to phones. Now Chaney Electronics makes it possible for your students to learn more about surface mount technology through the construction of any of our SMD kits. Students use a drop of white glue (or any other glue that's handy) to glue the parts to the PC board, then they solder the parts. We recommend using tweezers, a magnifying glass and a small tip soldering iron. **NOTE: Please do not have beginners build these kits as we can not repair them due to the fact that the components are very tiny and glued onto the PC board.**

Brilliant Red and Blue SMD Flasher Kit



Small brilliant LED flasher alternately flashes one red and one blue LED. Uses SMD (surface mount device) components so there are no holes in the PC board (all components mount to the small foil pads on top of PC board). SMD is the most common technology in use today and this kit provides a nice introduction for your students. Operates on one 9V battery (not included). Size of PC board 1.6" x 1.1". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

Brilliant Red and Blue SMD Flasher Kit **C6945 $8.25**

SMD IC Star LED Flasher Kit

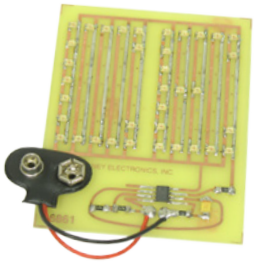


Our most advanced SMD kit uses a tiny 555 SMD IC to flash 5 tiny SMD LEDs. The LEDs flash with a bright yellow green color. Because this kit uses a tiny SMD IC, SMD resistors, a tiny SMD capacitor, and SMD LEDs, it provides the best introduction to SMD technology. We do not recommend this kit for beginning students as the lead spacing on the IC is very tight and the kit must be assembled with patience and a small tip soldering iron. Great for advanced students, colleges and technicians wishing to learn more about SMD technology. Operates on a 9V battery (not included). Size of PC board: 1 3/4" x 2". Complete with all parts, PC board & instructions. Skill Level 3.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

SMD IC Star LED Flasher Kit **C6708 $10.25**

SMD Flashing Initials Kit

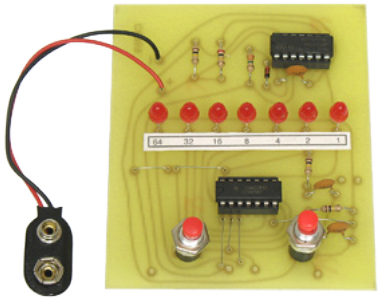


Very unique kit flashes two initials of your choice on and off. Features brilliant green SMD LEDs that you install to form any two letters from A to Z or any two numbers from 0 to 9. Letters are 2" high and can be seen from quite a distance. Complete with 44 SMD LEDs, all parts, PC board and instructions. Overall size of PC board 2 1/2" x 3". Operates from one 9V battery (not included). Skill Level 3 (This kit is not for beginners).

OPTIONAL PLASTIC TYPE 2 BOX - C6364

SMD Flashing Initials Kit **C6861 $20.50**

Binary Counter (Logic Basics) Kit

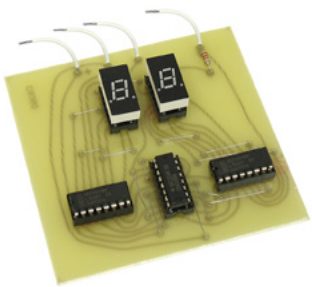


One of the most basic building blocks of electronic computers is the binary number system. This kit counts in binary numbers and displays the binary number by red LEDs. A LED turned on is a 1 and off is a 0. This kit provides an easy to understand display of the binary number. The counter increases by 1 number each time the button is pushed. It also can count automatically by holding the button down. Teaches logic principles and binary counting. This kit features 7 red LEDs, count button, clear button and a 2 IC circuit. Counts from 0 up to 127 in binary numbers. Can be used alone or can be connected to the Decimal Display Kit below which displays the decimal number equivalent of the binary number. Operates from one 9V battery (not included). Size of circuit board: 3.6" x 3". Complete with all parts, PC board and instructions. Skill Level 3.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Binary Counter (Logic Basics) Kit **C6359 $17.50**

Decimal Display Kit



The Decimal Display Kit counts and displays decimal numbers from 0 to 99. Its primary function is to be connected to the Binary Counter Kit above to display the decimal number equivalent of the binary number shown on the Binary Counter Kit. Can also be used in conjunction with several of our kits to provide "next number to be served display", people counter, lap timer, event counter, etc. Features IC circuitry and two bright 7 segment LED displays. Operates from one 9V battery (not included). Size of board: 3" x 3.25". Complete with all parts, PC board and instructions. Skill Level 3.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

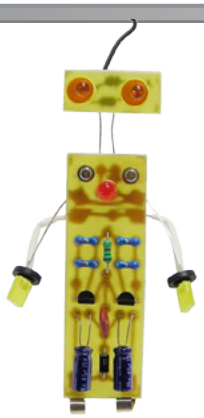
Decimal Display Kit **C6360 $18.75**



R.O.H.S. Magical LED Learn to Solder Robot Kit

The "Magical LED Learn to Solder Robot Kit" consists of 2 circuit boards and various electronic parts that you solder to the boards. You first solder the non-functional components to learn good soldering techniques, then you progress to the functional components. Simple to build and can be customized to make variations. You can paint the boards before assembly, pose the arms, and change the top antenna, i.e. hair-wire! In the center of the robots body is an LED that magically changes from red to green. The 3.5" tall by 1" wide robot uses one 9V battery (not included) which allows the robot to stand on its own. Skill Level 1.

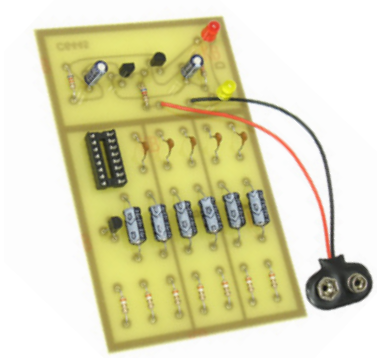
***R.O.H.S. Magical LED Learn to Solder Robot Kit*.....C6959 $12.50**



Learn to Solder Robot Kit

This unique flashing Robot will not only help you learn good soldering techniques but will also be the center of attention wherever it is placed! The eye LEDs, center LED, and both hand LEDs flash brightly for weeks continuously or for months when you turn it off at the end of the day. Consists of 2 circuit boards and various electronic parts that you solder to the boards. You first solder the non-functional components in to learn good soldering techniques, then you progress to the functional LEDs. Simple to build and can be customized to make unlimited variations (you can paint the boards before assembly, pose the arms and eyes, change the appearance of the antenna, etc.)! The 3 1/2" tall x 7/8" wide Learn to Solder Robot uses one 9V battery (not included) which also allows it to stand on just about anything (keyboards, monitors, desks, books, etc.). Unique design incorporates the battery into the robot. Simple to build! Skill Level 1.

***Learn to Solder Robot Kit*.....C6845 $13.75**



Learn to Solder Kit

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Special kit designed for the student who has not had any experience with soldering. This kit has 30 components to solder to give the student ample soldering experience. The first 20 components to be soldered are used to gain soldering experience, but the last 10 components, when soldered in, make up a bright red and yellow alternating LED flasher! The LED flasher portion is built after the student has soldered in the 20 practice components, which include: capacitors, a transistor, resistors, and an IC socket. When the student has completed this kit, he/she should have developed good soldering techniques and has a functioning LED flasher to show for his/her efforts. This kit requires one 9V battery (not included). Size of board: 4.75" x 3". Complete with all parts (including practice parts for soldering) and complete soldering instructions. Skill Level 1.

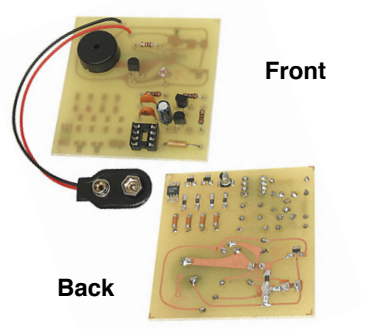
***Learn to Solder Kit*.....C6445 $12.75**



Learn to Solder Rocket Kit

This special kit is the perfect kit to introduce students to good soldering techniques. When completed, the 4" tall rocket flashes 13 bright red LEDs and will stand upright on a desk or shelf. The student learns to solder by following the detailed instructions showing how to solder the 22 practice components. These include cable, capacitors, diodes, resistors, and transistors. With the knowledge and skills obtained from soldering the practice components, the student then finishes the rocket by installing the 13 bright LEDs that flash when a 9V battery is connected (battery not included). Size of rocket PC board is 4 3/8" tall x 1 1/4" wide. Complete with all parts, PC board and instructions. Skill Level 1.

***Learn to Solder Rocket Kit*.....C6864 $13.75**



Universal Learn to Solder Kit

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Here's the perfect kit to give students experience in learning soldering techniques for both standard and SMD components. The student begins by soldering various standard lead components such as transistors, capacitors and an IC socket. The student then progresses to SMD sections (on the reverse side of board) where the student practices soldering various SMD parts such as transistors, diodes, resistors, capacitors and an IC. Finally, the student builds a functional Insanity Alarm Kit (see description on page 28) which is constructed using both regular and SMD components so that some parts are on each side of the board. The Insanity Alarm operates on one 9V battery (not included). Size of PC board: 2 1/2" sq. Kit is supplied with 33 parts, PC board and instructions. Skill Level 1.

***Universal Learn to Solder Kit*.....C6758 $13.75**

Deluxe Learn to Solder Kit



This special kit is similar to the regular "Learn To Solder Kit" shown on page 19, however, this kit has some very unique features. Not only does it have a special non-functioning "Learn To Solder" section, it also has two additional kits on one circuit board. You get a bright yellow and red "Jewel" LED Flasher Kit and also an Insanity type Alarm Kit. The deluxe learn to solder kit uses a specially designed circuit board that allows you to build all three kits. After construction and testing, you simply snap the main circuit board into the 3 separate individual kits.

1. *The Learn to Solder middle section is constructed first to give your student ample soldering experience.*

2. *Next, the student constructs the Insanity type Alarm Kit section. This unique kit is equivalent in operation to our most popular selling Insanity Alarm Kit (see page 28). It emits a piercing tone when the lights go out, but stays perfectly silent when they turn on the lights to look for it.*

3. *Finally, the student completes the more complicated "Jewel" LED Flasher Kit section. This IC circuit kit alternately flashes 4 bright red LEDs with one bright yellow LED.*

This unique kit is more challenging to build and is the perfect "wrap up"to test the student's skills in making kits.
Remember, you get all three kits listed with all parts and PC board. Requires two 9V batteries (not included), one for each functional kit. Overall size of circuit board before snapping it apart is 5.5" x 1.75". Order this unique kit now for a complete solution to your kit building needs! Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364 *(REQUIRES TWO BOXES)*

Deluxe Learn to Solder Kit**.....C6491 $15.75**

Deluxe SMD Learn to Solder Kit

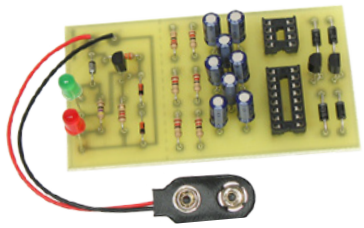


Here's the perfect way to gain experience in soldering, identification and use of Surface Mount Device (SMD) technology. This kit features 32 SMD components, including 3 SMD 8 pin ICs, microprocessor IC, capacitors, resistors, transistors and a LED. The first 24 components are parts used to gain ample soldering experience with SMD parts as the student solders the various parts onto the practice section of the PC board. The last 8 SMD components are used to make an IC type dual LED flasher. This section of the kit flashes a dual color SMD LED. It flashes red then green from the same LED. Not only does the student learn to solder SMD parts but in the end the student has an attractive and functional SMD dual color LED flasher to show for his/her effort. Operates on one 9V battery (not included). Size of PC board: 2" x 3". Complete with all parts, PC board and instructions. A super value! Skill Level 2.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Deluxe SMD Learn to Solder Kit**.....C6719 $13.75**

Learn to Solder 9V Battery Tester Kit

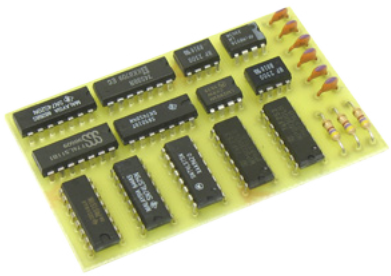


This is the perfect learn to solder kit! Not only does it give the first year student ample soldering experience with 22 practice components, it allows the student to create a very useful 9VDC battery analyzer/tester. Accurate and handy to have around, the tester lights up 2 LEDs to indicate whether the battery is in new/fresh condition, has some life left (about 7.5V to 8V) or is dead (under 7V). Size of PC board 1.9" x 3.4". Complete with all parts (including practice parts for soldering) and complete soldering instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Learn to Solder 9V Battery Tester Kit**.....C6972 $13.25**

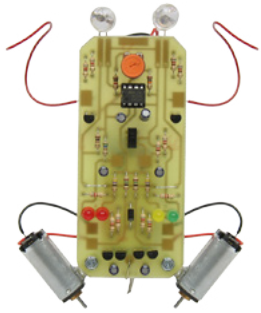
Ultimate Learn to Solder Kit



The Ultimate Learn to Solder Kit provides a perfect way to become proficient in soldering. Comes with 3 resistors, 6 disc capacitors, 13 integrated circuits and a pre-drilled glass epoxy PC board custom made for these parts. You start with the 3 resistors, progress to the 6 disc capacitors and then "hone" your skills by soldering the 13 integrated circuits in. Instructions that come with the kit present illustrations of correct techniques and solder joints. The kit is non-functional but provides one of the best platforms to obtain good soldering techniques. PC board size is 2" x 3". Skill Level 1.

Ultimate Learn to Solder Kit**.....C7045 $10.50**

Electric Slider Learn to Solder Robot



Stand up Electric Slider Learn to Solder Robot not only allows students to learn good soldering techniques, but also provides them with a bright colorful sliding, scooting robot. Operates on one 9V battery (not included) and uses 2 powerful motors and a one IC circuit to move in a weird pattern on any smooth surface. Features colorful flashing LEDs which make this kit a real attention getting project. Overall size of PC board is 1.8" x 4". Complete with all parts, PC board and instructions. Skill Level 1.

Electric Slider Learn to Solder Robot**.....C7012 $15.75**



Introduction to SMT

Surface Mount Technology Lab

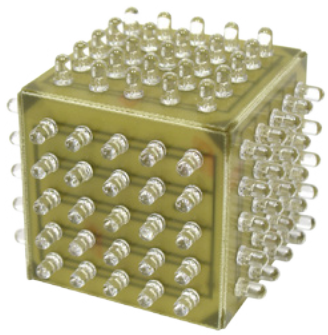
This Chaney Training Lab will introduce your students to the latest assembly technology known as "Surface Mount Technology". Surface mount technology uses tiny leadless components, known as surface mount devices (SMDs) which are quickly replacing standard electronic components.

By completing this lab, the student learns concepts about surface mount technology (SMT) such as the different types of surface mounts devices (SMDs). The student gains experience identifying, soldering and using surface mount devices by physically building an actual working surface mount technology project.

It was designed so that the teacher does not need to be involved (unless he or she desires to be). The lab is self-contained and reusable with the exception of the SMT project kit: "Deluxe SMD Learn to Solder Kit" (Stock # C6719). A small soldering iron with a fine point and some solder is all that is required to build the included kit.

LAB INCLUDES:
- Fully Illustrated Instructional Manual
- All Necessary Electronic Parts
- Practice and Identification Components
- Magnifier with Tweezers
- C6719 Deluxe SMD Learn to Solder

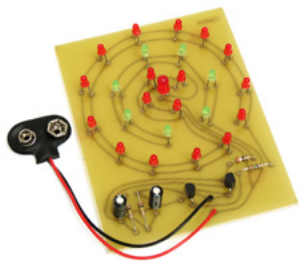
Introduction to Surface Mount Technology Lab **C6725 $34.50**



Brilliant 3D Shimmering White Cube Kit

The Brilliant 3D Shimmering White Cube Kit uses 125 ultra bright 10,000MCD white LEDs that flash or shimmer depending on the hidden control setting. Operates from one 9V battery (not included) and uses 6 PC boards. The small one IC control board and 9V battery are located out of sight inside the 2.5" square cube. The light effects from this kit are amazing! The output is a brilliant strobe flash to a dazzling shimmering effect (depending on the control setting). This kit is time consuming to build and should not be attempted by anyone who has not built kits before. Assembling this kit requires good soldering skills, however you will be rewarded with a stunning display! Complete with all parts, 6 PC boards and instructions. Skill Level 3.

Brilliant 3D Shimmering White Cube Kit **C6919 $44.75**



Electronic Fireworks Kit

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Exciting kit electronically creates an exploding "firework" like display. Kit features 17 micro red LEDs, 7 green mini LEDs and 1 jumbo red LED. The circuit uses a 2 transistor multi-vibrator that alternates between the "rings" of LEDs, which cause a display like "sky rocket" type fireworks. Great attention getter in a darkened room. Attractive and makes an interesting intermediate project. Size of board: 3.875" x 3". Operates from one 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 2.

Electronic Fireworks Kit **C6454 $12.25**



Giant LED Traffic Light Kit

OPTIONAL PLASTIC TYPE 3 BOX - C6365

Unique attention getting Traffic Light Kit uses 3 bright, colorful, giant 10mm LEDs. Just like a real traffic light, this smaller version slowly sequences through green, yellow and red lights. Comes with a paper traffic light label you glue on the PC board and uses a 3 transistor sequencing circuit. Works from one 9V battery (not included). Size of PC board is 3 1/4"L x 1 15/16"W. Comes with all parts, PC board & instructions. Skill Level 1.

Giant LED Traffic Light Kit **C6810 $10.75**



Flashing Stop Sign Kit

OPTIONAL TYPE C MOUNTING BASE - C6622

This kit features 20 small LEDs which flash a bright red color. Features a red and white label which you glue to the octagon shaped PC board and a reliable 1 IC circuit. The circuitry features a small control to adjust the flash speed. Operates from one 9V battery (not included). Overall size: about 5" x 5". Complete with all parts, label, PC board and instructions. Skill Level 1.

Flashing Stop Sign Kit **C6788 $17.50**

"Flash" The Robot Kit (Learn to Solder)

What a fun kit to practice your solder techniques on. Plus, upon completing this kit, you will have created "Flash" The Robot. This kit features Flash's eyes that use two very bright and colorful, flashing rainbow LEDs that light up in colors of red, green, blue, violet, and yellow. The hands light up in green. Another feature that's really cool about this kit, is that there are no worries about finding batteries to keep Flash fueled up because your robot kit is powered by your computer's USB port! This kit is perfect for beginners learning to solder and stands 3.2" X 1". Complete with all parts, PC board. Requires soldering. Skill Level 1.



"Flash" The Robot Kit.....**C7075 $13.25**

"Blinder" LED Flasher Kit

This kit features 3 crystal clear special LEDs which create brilliant flashes of orange-red light. The light output of this flasher kit can even be seen in direct sunlight. You've never seen anything like it! Great for night joggers, bicyclists, warning markers, etc. Size of PC board: 2" x 1.4". Operates on one 9V battery (not included). Flash rate is adjustable with the built-in trimmer potentiometer. Complete with all parts, PC board and instructions. Skill Level 1.



OPTIONAL PLASTIC TYPE 2 BOX - C6364

"Blinder" LED Flasher Kit.....**C6891 $7.75**

"Blinder" LED Flasher Kit - Bulk Package for 25 Students.....**C8100 $159.95**

Flashing Alien Robot Kit

Full color Flashing Alien Robot Display Kit features 4 Red LEDs, 2 Green LEDs and 1 Yellow LED that flash brightly. Comes complete with a full color robot label which you glue onto the PC board before you start building. The reliable 4 transistor circuit forms the robots body as shown. Very unique and exciting kit to build and show. Operates from one 9V battery (not included). Size of PC board is 3" square. Compete with all parts, PC board, color label and instructions. Skill Level 1.



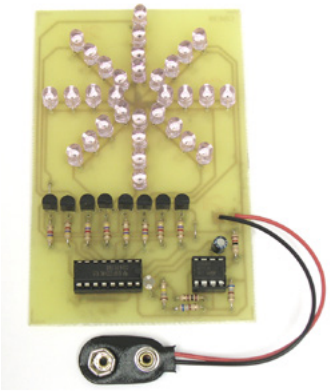
Flashing Alien Robot Kit.....**C6756 $11.25**

Flashing Alien Robot Kit - Bulk Package for 25 Students.....**C8107 $225.25**

Magic Light Sweep Kit

OPTIONAL PLASTIC TYPE 4 BOX - C6366

This kit produces sweeping light bars that magically speed up or down depending on the ambient light Level. In darkness, the bars (made up of 4 bright clear lens LEDs each) rotate very slowly, then as the ambient light increases, the sweeping increases and takes on a radar screen appearance. If the ambient light is very bright the sweeping speed is so rapid that the kit appears to shimmer. This kit produces these effects automatically and makes a great attention getting display. Size of board: 2.6" x 4.1". Operates from one 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 2.



Red Magic Light Sweep Kit **C6439R $16.50**

Yellow Magic Light Sweep Kit **C6439Y $16.50**

Blue Magic Light Sweep Kit **C6439B $16.50**

Red/White/Blue Magic Light Sweep Kit **C6439RWB $16.50**

Learn to Solder Cactus

The Learn To Solder Saguaro Cactus kit is a fun way to practice and perfect your soldering skills. Perfect for a beginner or somebody who wants to make this LED flasher as a gift. Operates from one 9V battery (not included), which has plenty of energy to illuminate this spiky desert dweller for many days. Utilizing the latest PC board routing technology, the student has plenty of practice parts as they learn to solder nineteen "dog bone" resistors that mimic the Saguaro's vertical spines, three bright green flashing/blinking LEDs that represent the blossoms, and two regular resistors which limit the current to the LEDs so they can flash. In addition, the student applies a special soldering technique of connecting the battery snap leads to a flat copper surface. Size of PC Board: 1-7/8" x 4". Complete with all parts, PC board, and instructions. Skill level 1.



Learn to Solder Cactus.....**C7606 $6.95**

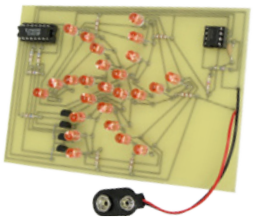


Adjustable Flashing Bright Light LED Kit

Small size Adjustable Flashing Bright Light LED Kit alternately flashes 2 groups of 4 LEDs. The first group consists of 2 green and 2 yellow LEDs and the second group consists of 1 green, 2 yellow and 1 orange LED. The 2.2" x 0.75" kit also uses a one IC circuit with a trimmer control to adjust the speed of flashing. Operates on one 9V battery (not included). Great attention getter! Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Adjustable Flashing Bright Light LED Kit	**C7019**	**$7.25**



Fascination Star Kit

Produces an "exploding star" visual effect using 25 LEDs and IC circuitry. The center LED lights first then the next group of LEDs light and then another set lights until the outer edge of the star lights up. The process then reverses itself. Great attention getter for game rooms etc. Operates from one 9V battery (not included). Size of board: 5.25" x 3.5". Complete with all parts, PC board and instructions. Skill Level 3.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Fascination Star Kit	**C4432**	**$18.75**



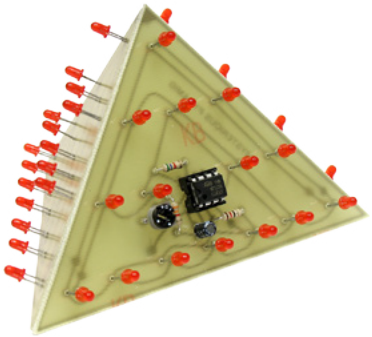
BULK SAVINGS AVAILABLE
SEE PAGE 23

Super LED Chaser Kit

Here is an exciting visual display! Three groups of 2 LEDs light up sequentially to provide a stunning display. Kit uses 6 jumbo LEDs and 3 transistors. Operates from one 9V battery (not included) and comes in your choice of colors. Size of PC board is 2 7/8" x 15/16". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Red LEDs	**C6825**	**$6.95**
Green LEDs	**C6826**	**$6.95**
Yellow LEDs	**C6827**	**$6.95**
Super Bright Clear Case Red LEDs	**C6828**	**$7.25**
Super Bright Clear Case Green LEDs	**C6829**	**$7.25**
Super LED Chaser Kit (Assortment) - Bulk Package for 25 Students	**C8106**	**$148.75**



Mysterious 3D Pyramid Kit

Very unique kit consists of 3 circuit boards that when assembled form a 3 dimensional flashing LED pyramid. This mysterious and amazing kit features 47 bright LEDs that flash at a rate that you can adjust using a small control. Operates from one 9V battery (not included) and uses a reliable one IC circuit. The pyramid is about 3" high and has a 4 1/2" base. The pyramid is hollow inside and can be set on top of the 9V battery to conceal it. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL TYPE C MOUNTING BASE - C6622

Red LEDs	**C6792**	**$20.50**
Yellow LEDs	**C6793**	**$20.50**
Green LEDs	**C6794**	**$20.50**
Blue LEDs	**C6795**	**$20.50**

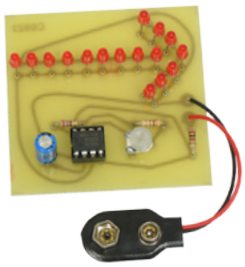


Rock Star Kit

OPTIONAL PLASTIC TYPE 4 BOX - C6366

Thinking about stardom? With your skill Level 3 talent you can create your own rock star. This Rock Star Kit is sure to light up the billboards with 78 ultra bright LEDs that sequentially flash R.O.C.K.S.T.A.R. one letter at a time. The Rock Star Kit uses 2 ICs and has 2 PC boards. The control PC board allows the speed of the letters to be adjusted. Approximate size: main board 2.6" x 4.5" and the control board 1.4" x 2.9". Operates from a standard 9V battery (not included). Complete with all parts, rockstar label, 2 PC boards and instructions. Skill Level 3.

Rock Star Kit	**C6955**	**$21.50**



Flashing Arrow Kit

Our Flashing Arrow Kit uses 16 bright red LEDs and one IC to provide a unique "arrow" that flashes. The IC circuitry features a small trimmer resistor to adjust the speed at which the "arrow" flashes. Operates on one 9V battery (not included). Size of PC board is about 2 3/8" square. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Flashing Arrow Kit	**C6923**	**$8.75**

Electro Spinner Kit

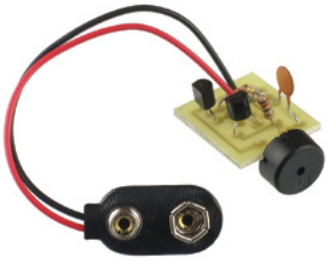
This amazing kit features a brilliant neon like rainbow of spinning colors. The Electro Spinner Kit uses two special rainbow flashing LED's, a motor and a special electronic circuit to produce attractive and stunning ever changing rings of neon like colors. The Electro Spinner automatically turns on when it is in the dark and spins for almost an hour before needing to be recharged. Kit includes all parts, PC board, motor, rechargeable battery, charger and CD base. Overall size of PC board is about 2" square. Skill Level 2.



Electro Spinner Kit **C6936 $20.75**

Fish Caller Kit

This kit produces a clicking sound which is said to attract fish. We have had customers who have reported excellent results, but who knows?! Anyway, it's worth a try. Features very tiny circuit board and small piezo. Operates from 9V battery (not included). Size of board only 1" x 3/4" so it can be placed in almost any watertight jar and lowered into the water. Complete with all parts, PC board and instructions. Skill Level 1. This kit requires soldering of components to the PC board while building. Skill Level 1.

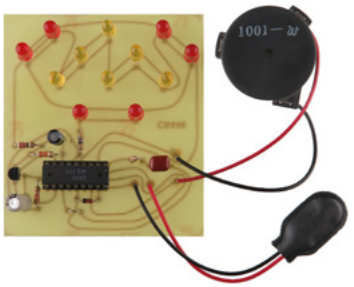


OPTIONAL PLASTIC TYPE 1 BOX - C6363

Fish Caller Kit **C4566 $5.25**

Shimmering Color Organ Kit

Exciting portable color organ provides a colorful display in response to music. Display shimmers and flashes to your music without any connections. The kit uses 6 jumbo red LEDs and 6 jumbo yellow LEDs with a sensitive amplifier IC. No connection to your stereo is needed as the Shimmering Color Organ Kit uses a crystal microphone to pick up the sounds of your music! Take your color organ with you anywhere, as it requires only one 9V battery (not included) to operate. Size of board: 2 3/4" x 3 1/8". Complete with all parts, PC board and instructions. Skill Level 2.



OPTIONAL PLASTIC TYPE 4 BOX - C6366

Shimmering Color Organ Kit **C6446 $13.50**

Bright Star Color Organ Kit

This small super sensitive color organ kit features 5 bright LEDs that flash to the beat of the music. Circuit features a miniature electret microphone and a high gain 3 transistor circuit so no connections to your stereo are needed! Simply place the kit in the general vicinity of your speakers, adjust the gain control and you are ready for bright Star flashes of light as your music plays. Operates on one 9V battery (not included). Size of PC board is 1 13/16" square. Complete with all parts, PC board and instructions. Skill Level 1.

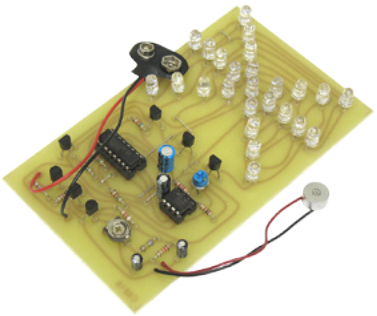


OPTIONAL PLASTIC TYPE 2 BOX - C6364

Bright Star Color Organ Kit **C6815 $11.50**

Exploding Star Color Organ Kit

This spectacular color organ kit will amaze and thrill anyone who has the pleasure of seeing it in action. Very colorful, bright and highly animated exploding star effect is controlled by the beat of the music and a 2 IC circuit. The display is like a firework that is in sync with your music. No connection to your sound source is necessary as it uses an ultra-sensitive electret microphone to pick up the sound. Kit uses blinding output LEDS in red, green and yellow colors (25 total), 6 transistors and 2 ICs. Operates on one 9V battery (not included). Size of PC board is 5 1/16" x 3". Complete with all parts, PC board and instructions. Be the first in your class to own this amazing electronic display and everyone else will want to borrow it for their next party! Skill Level 3.



OPTIONAL PLASTIC TYPE 5 BOX - C6367

Exploding Star Color Organ Kit **C6818 $25.75**

The Light Spider Robot II Kit



Our new and improved Light Spider Robot II Kit can now be used with any LED or Incandescent Flashlight! Using its electronic brain to find or follow a light source, this amazing robot quickly scoots across any smooth, hard surface (such as a linoleum floor or a wooden table top). While searching for light, one colorful and bright flashing rainbow LED, lights up and blinks on the front of the robot. Operates from one 9V battery (not included) and uses a transistor brain to control its 2 motors. The PC board and motors can be customized by painting them before assembly. Size of PC board is approximately 3.50" x 2.25". Comes complete with all parts, PC board & instructions. Skill Level 2.

The Light Spider Robot II Kit.....**C7049 $18.25**

BULK SAVINGS AVAILABLE
SEE PAGE 23

Little Jitterbug Robot Kit

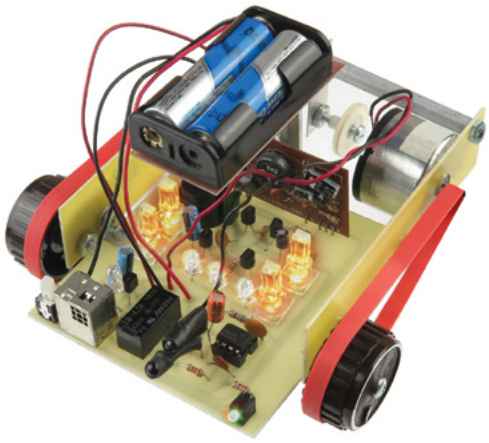


Better not leave any popcorn or chips around! This little jitterbug robot is waiting for night, or when it's completely dark, to roam the countertops in search of goodies. The light sensor allows the jitterbug to come alive and scoot around with the help of a tiny vibrating motor. Customize its antennas and legs. Flashing LED allows you to find this little critter. Operates on a 3V coin battery (not included). Size of PC board 1.8" x 0.9". Complete with parts, PC board and instructions. Soldering required. Skill Level 1.

Little Jitterbug Robot Kit.....**C6984 $9.25**

Little Jitterbug Robot Kit - Bulk Package for 25 Students....**C8104 $199.00**

IR Vision Rover Robot Kit



This incredible robot can actually see! As it explores, it emits invisible beams of IR (infrared) light which reflects off any obstacles in its path, including walls, rocks, humans, boxes, etc. Its simple brain and sensor causes the IR Vision Rover Robot to turn backwards and then go forward in a different direction avoiding the obstacle it has detected up to one foot away. It can even be remotely controlled from up to 25 feet away by using any standard DVD/TV IR remote control that you have. Simply point and press almost any button on your remote and you will notice that your IR Vision Rover Robot will immediately back up and then go forward in a different direction. The Rover emits beeps and blinks bright colorful LEDs as it explores. Operates from only two AA batteries (not included). Features DC-DC converter circuitry, sensitive IR sensor module, 2 IR LEDs, 9 colorful LEDs, 2 powerful motors and reliable drive train. It's a fun kit to build, and an excellent introduction to robotics for your student. Size about 5 1/2" x 6 1/2". Works on any smooth hard surface. Complete with all parts, PC board and instructions. Skill Level 2.

IR Vision Rover Robot Kit.....**C6761 $44.95**

The Unstoppable Bug Robot Kit



The Unstoppable Bug Robot (TUBR) is really a bug with an attitude and an electronic brain. It just can't be stopped! If you put a box, object, or if there is a wall in front of the bug it has a powerful infrared detecting system that "senses" the obstacle and causes its simple brain to change direction. Features 2 motors, a bright red eye, a transistor/relay brain and 2 built in rechargeable batteries. Black plastic bug body is about 3 3/4" long x 1" wide (excluding arms which have small motors attached). Operates on any smooth surface such as a table, floor, desk, etc., when quick charged from a 9V battery (not included). Complete with all parts, PC board, bug body, motors and instructions. Skill Level 2.

The Unstoppable Bug Robot Kit.....**C6902 $26.75**

Learn to Solder Fish Kits

Great small kit for learning how to solder. This fun kit has a special colorful rainbow LED that flashes all the colors of the rainbow. The student starts by soldering in all the practice components including our unique tropical capacitor plus various resistors and capacitors as shown. Kit operates from one 9V battery (not included) and comes complete with all parts and easy to follow instructions. Skill level 1.



Learn to Solder Clown Fish ***C7604*** ***$5.95***

Learn to Solder Shark ***C7603*** ***$5.95***

Learn to Solder Angler Fish ***C7605*** ***$5.95***

Racing Robot Learn to Solder Kit

The Racing Robot Learn to Solder Kit features a three wheel motorized chassis and a colorful robot face that flashes on and off as the robot races out of control. Race this robot against others to see which robot is the fastest. Kit features 18 components that you install first to learn good soldering techniques. Once you have m astered soldering, you then install the one IC circuitry, Face circuit, motor and mechanical assembly. Operates from one 9V battery (not included). Size of Face PC board about 1.5" x 2". Size of main chassis PC board 2" x 4". Complete with all parts, PC boards, motor and instructions. Skill Level 1.



Racing Robot Learn to Solder Kit **C6927** **$21.95**

Supercapacitor Breadboard Racer Kit (Non-Soldering)

Our new Supercapacitor Breadboard Racer is easy to assemble and requires no soldering. It uses technology that is now being introduced into electric vehicles. After assembling your Racer simply "Charge It" from the battery powered charger and within a minute you are ready to race! Go Green with the optional C6581 - Solar Charger (Sold Separately) and use the Sun's energy to quickly charge the Racer's Supercapacitor.
Travels at a high rate of speed and has a flashing red LED to indicate charge condition. Uses a powerful Supercapacitor for its power source. Requires 2 "AA" batteries (not included). Skill Level 1.

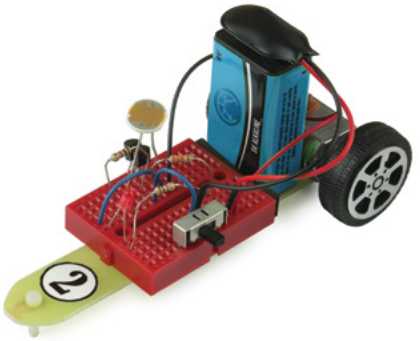


Supercapacitor Breadboard Racer Kit ***C7411*** ***$21.95***

Optional Deluxe 5.5V USB Solar Panel with USB Cable ***C6581*** ***$12.00***

3 in 1 Non-Soldering Sportscar Racer Kit

This exciting and reusable kit requires no soldering, yet provides a great introduction to motors, transistors, and electronic circuitry. Powered by one 9V battery (not included), this 3 in 1 Non-Soldering Sportscar Racer Kit includes all electronic components to build 3 different Sportscar Racers: Darlington Mode, Lights Out Mode, Lights On Mode. Has a bright red LED, powerful motor, Darlington transistors, CDS cell, resistors, wires and re-usable breadboard. Easy to understand instructions with theory of operation makes this a great first kit for beginners! The color of the breadboard may vary. Skill Level 1.



3 in 1 Non-Soldering Sportscar Racer Kit **C7410** **$16.50**

Samurai Koji Kit

Samurai Koji's, (**pronounced** *KOH jee*) meaning "Abundance and two", expression is constantly changing to keep his friends from guessing his true mood. One second he's happy, and then he's not. Fun kit to build that requires many soldering connections to create the green LED happy/smiley face and the red LED upset/sad expression. This circuit uses a 555 IC to alternately flash the two groups of bright LEDs. Operates from one 9V battery (not included). Size of PC board is 3" x 4". Complete with all parts and PC board. Requires soldering. Skill Level 1. ***Samurai Koji Kit*** **C7074** **$13.25**

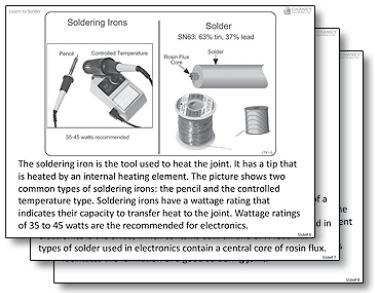


Classroom Solder Practice Activity (With PowerPoint) for up to 24 Students Skill Level 1



Here's the perfect way to introduce soldering to your students and give them the necessary soldering experience needed to build electronic kits. This activity box contains 24 etched and drilled 2-1/2" x 1" PC boards, a large bag of resistors, a bag of capacitors, a bag of diodes, a bag of LEDs, two different sizes of IC sockets and a bag of transistors. All of the components and circuit boards necessary to give 24 students ample practice in soldering.

As a bonus we also include a PowerPoint USB Drive (Windows Only) that has information for the teacher to use to teach soldering techniques, and a small commercially assembled board the teacher can show students what good soldering joints look like. All that is needed is solder, soldering irons, cutters and safety glasses. Most school shops already have these, or they can be purchased from Chaney Electronics (See page 39).



You get over 400 practice parts and 24 nonfunctional circuit boards for practice. Skill Level 1.

Classroom Solder Practice Activity with PowerPoint USB	**C6774**	**$138.00**
Additional Package of Parts & PC Boards for 5 extra Students	**C6836**	**$28.50**

"Customizable" Colorful Brilliant Blinker Kit



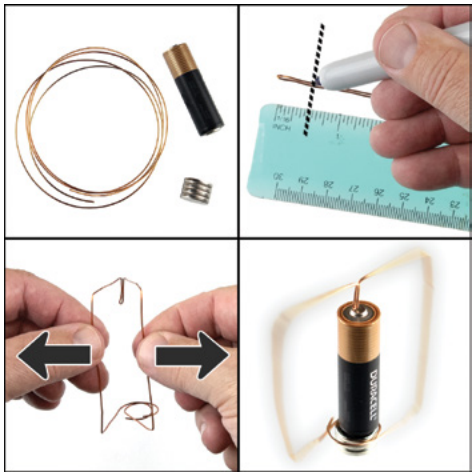
This small easy to build electronic kit uses a special 2 transistor multivibrator circuit to alternately flash two brilliant clear lens LEDs. To make this kit customizable we give you 2 red LEDs, 1 green LED, 1 yellow LED, 1 white LED and 1 blue LED so that you can make the color combination of your choice. Operates from one 9V battery (not included). Size of PC board 1 1/4" x 1 3/8". Complete with all parts (including the 6 brilliant color LEDs), PC board and instructions. Skill Level 1.

Note: Bulk package comes with an assorted bag of 50 colorful LEDs containing 10 each of Red, Green, Yellow, Blue and White.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

"Customizable" Colorful Brilliant Blinker Kit	**C6958**	**$6.95**
"Customizable" Colorful Brilliant Blinker Kit - Bulk Package for 25 Students	**C6944**	**$153.50**

Deluxe Homopolar Motor Kit Based on Hendrik Lorentz and Michael Faraday (Non-Soldering)



The Homopolar Motor is one of the most simple DC motors. It's based on the discoveries of Hendrik Lorentz and Michael Faraday. Complete set of parts for making one complete Homopolar Motor Kit with various designs: Spiral Spinner, Flapper or Custom. You get one Duracell® AA Battery, 3 powerful rare earth Neodynium disc magnets, 3 feet of solid copper wire and complete instructions.

Watch the video of this fascinating motor that can be constructed using a pair of pliers and wire cutters. No soldering or other tools required. Skill Level 1.

Homopolar Motor Kit	**C7415**	**$9.95**
Homopolar Motor Kit (Classroom Package 25)	**C8111**	**$223.75**

YouTube Demonstation Online
www.ChaneyElectronics.com

Classroom Bulk Package Kits

Save up to 20%

A great economical way to introduce your students to the fascinating field of electronics. Bulk packages contain all the parts and PC boards to build 25 kits. In addition, a set of 25 individual instructions and recloseable zip bags are included for you to distribute the parts to your students.

"Blinder" LED Flasher Kits

Package for up to 25 Students

This kit features 3 crystal clear special LEDs which create brilliant flashes of orange-red light. The light output of this flasher kit can even be seen in direct sunlight.



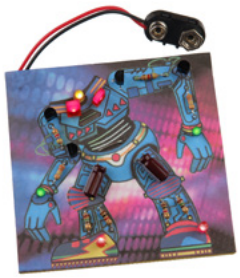
See C6891 (Page 17) for kit details.

C8100 $159.95

Flashing Alien Robot Kits

Package for up to 25 Students

Here's is a colorful, fun kit for begineer electronics students. Features 4 transistor multivibrator circuit which causes the 7 LEDs to flash bright with vibrant colors.



See C6756 (Page 17) for kit details.

C8107 $225.25

Crazy Chirper Kits

Package for up to 25 Students

Here's the perfect kit to keep your unsuspecting guests entertained or should we say irritated. The chirper kit remains silent until the lights go out (just like a real cricket). The moment it gets dark the "chirper" starts to make its racket driving your guest crazy.



See C6470 (Page 31) for kit details.

C8102 $157.50

TOWS Kits

Package for up to 25 Students

The TOWS (Terribly Obnoxious Woodpecker Sound) Kit produces a very loud woodpecker sound. This small kit just can't be ignored as it generates the pecking sound of a crazed bird.



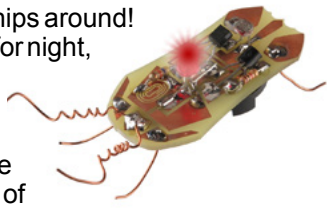
See C6712 (Page 31) for kit details.

C8103 $166.95

Little Jitterbug Robot Kits

Package for up to 25 Students

Better not leave any popcorn or chips around! This little jitterbug robot is waiting for night, or when it's completely dark, to roam the countertops in search of goodies. The light sensor allows the jitterbug to come alive and scoot around with the help of a tiny vibrating motor.



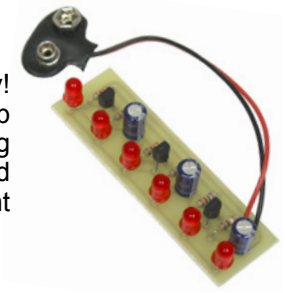
See C6984 (Page 20) for kit details.

C8104 $199.00

Super LED Chaser Kits

Package for up to 25 Students

Here is an exciting visual display! Three groups of 2 LEDs light up sequentially to provide a stunning display. Kit uses 6 jumbo LEDs and 3 transistors. Includes five different LED colors.



See C6825/C6829 (Page 18) for details.

C8106 $148.75

Magic Christmas Tree Kit

Package for up to 25 Students

This colorful tree uses 3 LED bulbs that magically blink all red, then all green, repeating the cycle over and over again. It's a perfect classroom activity students enjoy soldering.



See C6773 (Page 29) for kit details.

C8109 $167.95

IR Control Spinner Kits

Package for up to 25 Students

Your classroom will be mesmerized with the dizzying effects of their IR control Spinner Kit. Uses a motor and a sensitive IR module to work with any type of IR remote control (not included).



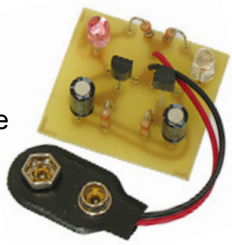
See C6778 (Page 32) for kit details.

C8108 $209.50

Bulk Colorful Brilliant Blinker Kit

Package for up to 25 Students

Here's a great economical way to introduce your students to the fascinating field of electronics. This bulk package contains all the parts and PC boards to build 25 Colorful Brilliant Blinker Kits.



See C6958 (Page 22) for kit details.

C6944 $153.50

Cosmic Popper Kit

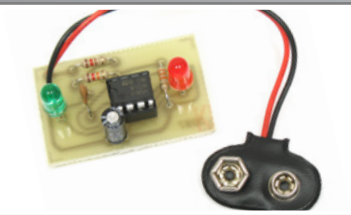
Package for up to 25 Students

Emits random sound pops and explosions of white light using CDS cell technology. This "Out-of-this-World" effects use SCR and CDS circuitry and a piezoelectric speaker.



See C6893 (Page 30) for kit details.

C8110 $187.95



LED Flasher Kit

Easy to build kit uses the amazing 555 timer IC to alternately flash a red and green LED. The kit makes a great attention getter and can be used in robots, warning lights, model railroads, space models, etc. Operates from 9V battery (not included). Size: 1.5" x 1". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

LED Flasher Kit **C3287 $6.00**

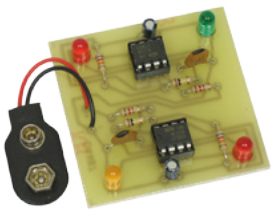


Jumbo LED Flasher Kit

Simple to build kit uses a programmable unijunction transistor (PUT) to flash a jumbo red LED. Makes a great first kit and is useful for all types of convention badges, posters, attention getters, hats, model railroads, model planes, etc. Operates from one 9V battery (not included). Size of board: 1.25" x 1". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

Jumbo LED Flasher Kit **C4567 $6.00**



Super LED Flasher Kit

One of our most popular display kits, this kit is perfect for use in robot projects, space models, warning lights, etc. Features a two IC circuit which alternately flashes 4 LEDs: 2 red, 1 yellow and 1 green. Produces a bright and colorful display. Operates from one 9V battery (not included). Size of board: 2" x 2". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Super LED Flasher Kit **C4407 $8.25**

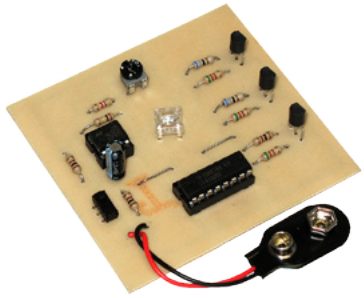


Flashing Triangle Kit

This triangle shaped LED flasher has 8 jumbo red LEDs that flash brightly. Kit is divided into two independent LED flasher groups with one group of LEDs flashing at a faster rate than the other. This difference produces an exciting display. The circuit consists of two independent multi-vibrator transistor circuits each driving four LEDs. Although this kit is a little more complicated than many of our Skill Level 1 kits, it can be built by a Skill Level 1 student if the teacher gives some supervision. Size of board: 3.8" x 3.8" x 3.8". Operates from one 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Flashing Triangle Kit **C6440 $9.25**



Ultra-Bright RGB LED 7 Color LED Flasher Kit

This amazing kit uses a single ultra-bright RGB (Red Green Blue) LED to produce 7 different colors! By combining the different LED elements inside the RGB LED it is possible to have Red, Green, Blue, Aquamarine (B+G), Purple (R+B), Yellow (R+G), and White (R+B+G). This kit uses a two IC circuit to continuously flash through a pattern of colors. Features a speed control to adjust the flash rate and an on/off switch. This kit makes a unique visual display in the dark as the ultra-bright colors are very intense - perfect for parties or as a conversation piece. Operates from one 9V battery (not included). Size of PC board 2 7/8" x 2 3/4". Complete with all parts, PC board, and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

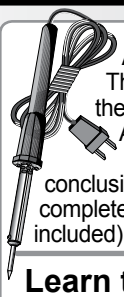
Ultra-Bright RGB LED 7 Color LED Flasher Kit **C6953 $12.25**



Learn to Solder Flashing Star

This kit makes learning to solder fun with its Star Spangled Flashing design. This eye-catching Patriotic Flashing Star strobes 15 brilliant Red, White and Blue LEDs which outline the special cut 4-1/4" star shaped PC board.Practice your soldering technique first with the special "Dogbone" practice resistors. After you connect a few, you will be comfortable and ready to solder the other components to the PC board with confidence. The speed of the flashing LEDs can be adjusted with the trimmer resistor located above the IC chip.Celebrate the 4th of July, Memorial Day, Labor Day or Your Birthday with this colorful display. Operates from one 9V battery (sold separately). Size of PC board is 4-1/4". Complete with all parts, PC board and instructions. Skill Level 1

Learn to Solder Flashing Star **C7601 $16.25**



Are you introducing soldering kits to your students? You'll want one of these value packed exciting 4 in 1 Soldering Packages. The student starts by following detailed instructions on "how to solder" and solders a non-functional "learn to solder" practice kit. This allows the beginner to gain hands-on soldering experience with actual components onto a PC board without ruining kit functionality in the process. After the proper soldering skills are mastered, the student can then progress on to each of the 3 remaining functional kits with experience and confidence. Each remaining kit is battery operated, fully functional and can be mounted in an optional project box (if desired). At the conclusion, the student has built 1 non functional kit and 3 fully operating kits that they can enjoy. All 4 in 1 kits are rated Skill Level 1 and come complete with all parts, PC board and detailed instructions. Each kit (except the non functional Learn To Solder Kit) operates from a 9V battery (not included). We offer five different "4 in 1" packages to choose from (each package is sold separately).

Learn to Solder Kit Package "A" Skill Level 1

Package "A" starts off with our non-functional Learn to Solder Kit, which is an introduction to soldering and proper soldering techniques. After gaining some experience from the Learn to Solder Kit the student has three functional kits to build:

SECRET IRRITATOR KIT - About once a minute, the kit will produce a 3 second long tone then remain silent for another minute before making another sound. It is difficult for another person to find it because it remains silent for so long. Size of PC board: 2" x 1.25".

ELECTRONIC SIREN KIT - This kit produces the upward and downward wail of a "police siren" as you press and release a small pushbutton. Uses a small speaker. Size of PC board: 2" x 1.25".

MULTICOLOR LED FLASHER KIT - This kit uses 2 red LEDs, 1 yellow and 1 green LED. Features a control that can be adjusted to cause 2 groups of 2 LEDs to alternately flash or all 4 LEDs flash together. Features reliable IC circuitry. Size of PC board: 2" x 1.25".



C6880 PACKAGE "A" $24.25

OPTIONAL BOXES FOR ABOVE KITS: TYPE 1 - C6363 (3 BOXES FOR 3 KITS)

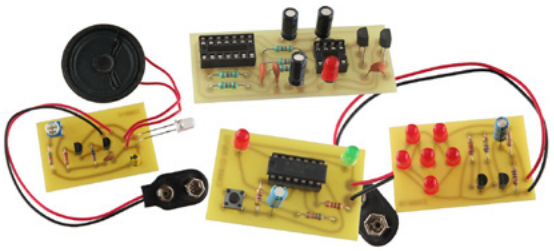
Learn to Solder Kit Package "B" Skill Level 1

Package "B" starts off with our non-functional Learn to Solder Kit, which is an introduction to soldering and proper soldering techniques. After gaining some experience from the Learn to Solder Kit the student has three functional kits to build:

PHASOR RAY KIT - This kit generates the sound of a phasor ray gun and flashes a brilliant orange light. Uses a small speaker, a crystal clear lens LED and 2 transistor circuit with adjustable sound control. Size of PC board: 2" x 1.25".

RED STAR FLASHER KIT - This kit will really attract attention as it flashes a bright red star made up of six 5mm red LEDs. Features simple and reliable 2 transistor circuit. Size of PC board: 2" x 1.25".

YES/NO DECISION MAKER KIT - Simply press the button on your decision maker kit and two brightly colored LEDs will begin to flash. As soon as you release the button, one of the LEDs will remain on. The green LED indicates yes and the red LED indicates no. Uses IC circuitry. Size of PC board: 2" x 1.25"



C6881 PACKAGE "B" $23.50

OPTIONAL BOXES FOR ABOVE KITS: TYPE 1 - C6363 (3 BOXES FOR 3 KITS)

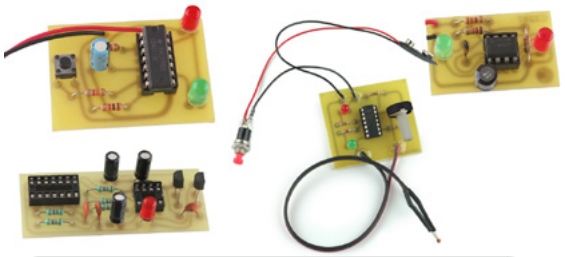
Learn to Solder Kit Package "C" Skill Level 1

Package "C" starts off with our non-functional Learn to Solder Kit, which is an introduction to soldering and proper soldering techniques. After gaining some experience from the Learn to Solder Kit the student has three functional kits to build:

LED FLASHER KIT - This kit uses a 555 timer IC to alternately flash a red and green LED. The kit makes a great attention getter. Operates from 5 to 9VDC. Size of PC board: 1.5" x 1".

IC DECISION MAKER KIT - When you press a small on board switch a bright green LED and a bright red LED begin to alternately flash. As soon as you release the button, one of the LEDs stays on indicating the decision. Uses a CMOS IC. Size of PC board: 1-3/8" x 1-7/8".

TEMPERATURE WARNING KIT - The kit can be set to indicate a rise or drop in temperature by simply adjusting its control knob for ambient temperature. As the temperature changes, a Red or Green LED indicates over or under temperature from its setting. Size of PC board 2" x 1.8".



C6934 PACKAGE "C" $23.25

OPTIONAL BOXES FOR ABOVE KITS: TYPE 1 - C6363 (3 BOXES FOR 3 KITS)

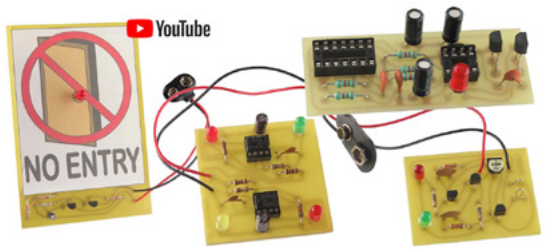
Learn to Solder Kit Package "D" Skill Level 1

Package "D" starts off with our non-functional Learn to Solder Kit, which is an introduction to soldering and proper soldering techniques. After gaining some experience from the Learn to Solder Kit the student has three functional kits to build:

COIN TOSSER KIT - This kit uses 3 transistors and 2 LED circuits to make decisions or replace coin tossing. Features 1 red and 1 green LED that flash when you touch the sensor wires. When you quit touching the sensor your decision is shown by the LED that remains on. Size of board: 1.6" x 2.2".

SUPER LED FLASHER KIT - This kit features a two IC circuit which alternately flashes 4 LEDs: 2 red, 1 yellow and 1 green. Size of board: 2" x 2".

NO ENTRY KIT - This Kit features a custom designed full color label and a bright flashing red LED. Perfect for bedrooms, dorm rooms, teachers' desks, offices, or any other place that you would like to express yourself. Size of PC Board: 3.25" x 4.75".



C6935 PACKAGE "D" $24.50

OPTIONAL BOXES FOR ABOVE KITS: TYPE 1 - C6363 (2 BOXES FOR 2 KITS) AND 1 TYPE C BASE - C6622

Learn to Solder Kit Package "E" Skill Level 1

Package "E" starts off with our non-functional Learn to Solder Kit, which is an introduction to soldering and proper soldering techniques. After gaining some experience from the Learn to Solder Kit the student has three functional kits to build:

ELECTRONIC SIREN KIT - This kit produces the upward and downward wail of a "police siren" as you press and release a small pushbutton. Uses a small speaker. Size of PC board: 2" x 1.25".

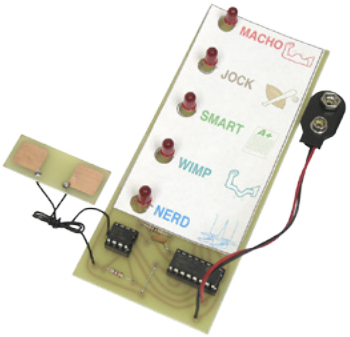
YES/NO DECISION MAKER KIT - Simply press the button on your decision maker kit and two brightly colored LEDs will begin to flash. As soon as you release the button, one of the LEDs will remain on. The green LED indicates yes and the red LED indicates no. Uses IC circuitry. Size of PC board: 2" x 1.25".

LITTLE JITTERBUG ROBOT KIT - This kit uses a light sensor to come alive in darkness and scoot around with the help of a tiny vibrating motor. Customize its antennas and legs. Flashing LED allows you to find this little critter. Operates on a 3V CR2430 coin battery (not included).



C6994 PACKAGE "E" $25.95

OPTIONAL BOXES FOR ABOVE KITS: TYPE 1 - C6363 (2 BOXES FOR 2 KITS)

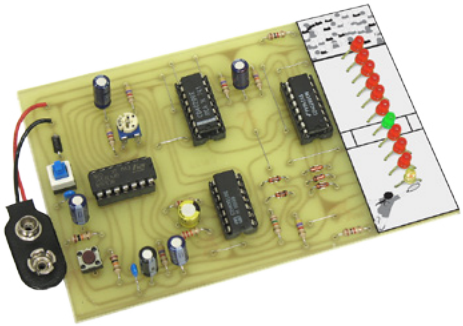


Macho Meter Kit

Are you “macho” or a “nerd”? Or maybe you are a “jock”, a “wimp” or “very smart”. Whatever you are this kit brings back the days of the “Penny Arcade” with a modern twist. Five bright LEDs flash at random when you place your fingers on the touch plate. When you remove your fingers the meter indicates “your rating” by the LED which remains on - MACHO, JOCK, SMART, WIMP or NERD. Lots of harmless fun to use and fun to build. Operates from one 9V battery (not included). Size of board: 5 1/4” x 2 1/4”. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***Macho Meter Kit*.....C6362 $14.00**

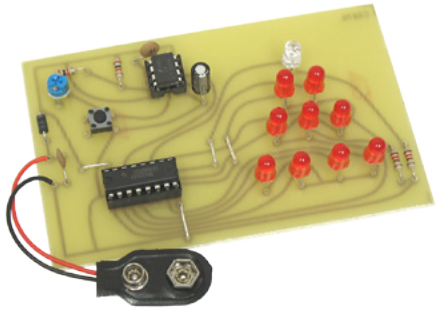


Digital Racquetball Game Kit

This game is like playing racquetball against a computer opponent. The ball is represented by LEDs, and you have to “hit” the ball by pressing a button. If you do, the ball changes direction, travels up the court, bounces off the wall, then returns for you to hit again. That’s not all! Suddenly the speed of the ball changes and you have to play faster or slower to keep up with the game. This kit also includes an adjustable speed control so that beginners will enjoy playing just as much as the “experts”. You have to keep on your toes though, because if you miss the ball, the game stops and you will have to start over. Operates from one 9V battery (not included). Size of board: 4.5” x 3”. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

***Digital Racquetball Game Kit*.....C6726 $21.75**

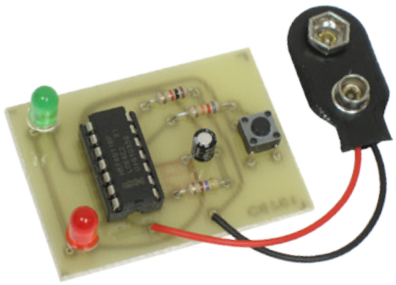


Grab the Gold Game Kit

This exciting game kit features a bright red LED pyramid with a clear LED on top. When power is applied each of the 10 LEDs light up in a sequencing pattern. If you press and hold the small pushbutton just before the top clear LED is to light, this LED will stay on illuminating its bright orange glow indicating that you made it to the top and picked up the gold. If however your timing is off, one of the red LEDs will light up indicating “you lost”. To make the game even more interesting, a control is provided to speed things up! When it’s adjusted to its fastest position you’ll need excellent reflexes and eye to hand coordination to Grab the Gold! Operates on one 9V battery not included. Size of board 2 1/2” x 4”. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL TYPE A MOUNTING BASE - C6620

***Grab the Gold Game Kit*.....C6876 $13.75**



IC Decision Maker Kit

If you have ever had difficulty in making a decision then this kit may be just the answer you’ve been looking for. When you depress a small on board switch a bright green LED and a bright red LED begin to alternately flash. When you release the button, one of the LEDs stays on indicating the decision. Red means no and green means yes. Fun to use and fun to build. Uses a CMOS IC and operates on one 9V battery (not included). Size of PC board: 1 3/8” x 1 7/8”. Complete with all parts, PC board & instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

***IC Decision Maker Kit*.....C6701 $7.75**



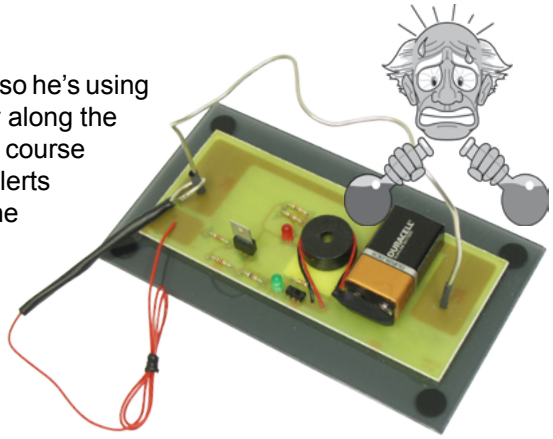
Deluxe Decision Maker Kit

Let this colorful “electronic brain” make all of your important decisions for you. Displays the results to your questions using a variety of bright colored LEDs. Uses a 2 IC circuit and a label you glue onto the PC board. Simply press the start button and all of the LEDs begin to flash. As soon as you release the button, one LED will glow to indicate the “electronic brain’s” decision. Lots of fun to use and easy to build. Operates from one 9V battery (not included). Size of PC board: 3” x 3 5/8”. Complete with all parts, label, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

***Deluxe Decision Maker Kit*.....C6780 $12.75**

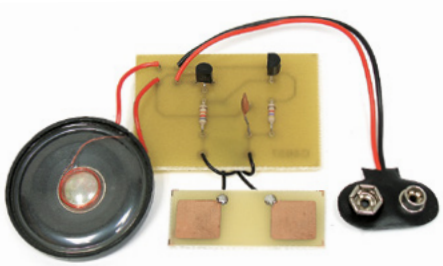
Shaky Jake's Steady Kit



Shaky Jake needs to keep it steady while mixing chemicals in his science lab so he's using The Shaky Jake's Steady Kit for practice. Jake needs to maneuver his way along the self-shaped wire course with his wand. If the wand's loop touches the wire course at any point within the course, the red LED lights up and the piezo buzzer alerts a continuous sound until the game is reset indicated by the green LED. The operation of Shaky Jake's Steady Kit is the latching action of an SCR circuit. This kit is fun to use for all ages and is easy to build and solder for the beginner. The self-shaped wire course and wand loop can be as easy or challenging as the builder desires. Operates from one 9V battery (not included). Size of PC board is 2.5" x 6". Size of Base 4" x 7". Complete with all parts, PC board and Base. Requires soldering. Skill Level 1.

***Shaky Jake's Steady Kit*.....C7084 $17.50**

Lie Detector Kit

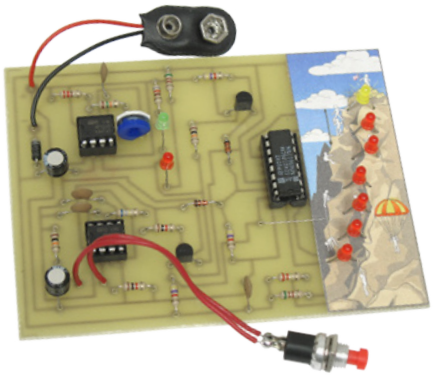


Simple to build kit emits a tone which changes with amount of skin resistance between two fingers. If you are relaxed, a lower pitched tone will be heard. Fun to use and great for parties. Has 2 copper touch plates on circuit board and small speaker. Fun "poor man's lie detector"! Operates from one 9V battery (not included). Size of circuit board: 1 1/2" x 2". Complete with all parts, PC board & instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 3 BOX - C6365

***Lie Detector Kit*.....C4657 $8.75**

Cliff-Hanger Game Kit

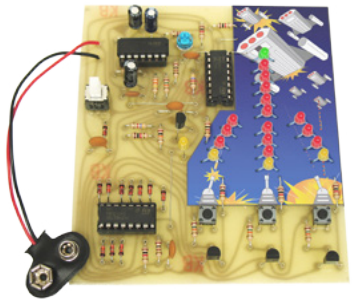


Have you ever met the challenge of mountain climbing? If not, this is your chance to do it electronically. "Cliff-Hanger" will let you experience the thrill of mountain climbing and test your skills to reach the top! Easy? Not at all, but it can be done. In this game, you will have to press the control button at the precise moment to advance to the next Level on your way to the top of the mountain. If the control button is pressed at the wrong time, you will fall to the bottom. You will not break any bones but you will have to start all over again. This kit features a variable skill adjustment and LEDs of three different colors (red, green, and yellow). Operates from a 9V battery (not included). Size of PC board: 4 1/8" x 3 1/8". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

***Cliff-Hanger Game Kit*.....C6723 $17.75**

Alien Attack Game Kit



Aliens are coming in their warships and are dropping their bombs on you! The only way to defend yourself is by neutralizing their bombs before they reach the ground. The bombs fall at different speeds and in different directions. This kit includes 19 LEDs of three different colors (red, yellow and green), 3 action switches, a circuit board, three ICs, and other components. Operates from one 9V battery (not included). Size of board: 4 1/2" x 3 3/4". Complete with all parts, PC board and instructions. Skill Level 3.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***Alien Attack Game Kit*.....C6727 $21.75**

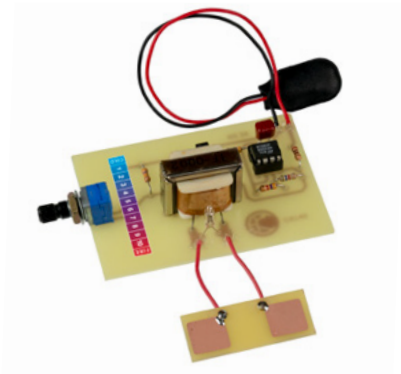
Time Reaction Tester Kit



If you ever thought that your sense of timing was good here's an electronic kit to prove it! If your timing is good the LED will stay on, if not the LED continues to flash. Operates from one 9V battery (not included). Size of board: 1" x 2". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

***Time Reaction Tester Kit*.....C4516 $6.95**

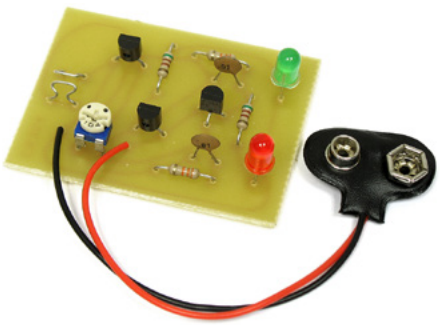


The Tingler Kit

Can you handle “The Tingler Kit”? This kit will give you a chance to prove it! Just set the slide control to the “Cold” position and place your fingers on the touch pads. You’ll then receive a “Tingling” sensation from the mild electrical voltage. Now slide the control towards the “Fire” position and you’ll find it’s much more difficult to keep your fingers on the touch pad (as the tingling sensation becomes much greater). This kit is fun to build and fun to use. Operates from 9V battery (not included). Size of board: 2-1/2” x 1-1/2”. Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - **C6364**

***The Tingler Kit*.....C6740 $14.25**



Touch Sensitive Coin Tosser/Decision Maker Kit

This small kit uses 3 transistors and 2 LED circuits to make decisions or replace coin tossing. Features one red and one green LED that flash at a high frequency when you touch the sensor wires. When you quit touching the sensor your decision is shown by the LED that remains on. Has control to adjust the “odds”. Safe and fun to operate. Size of board: 1.6” x 2.2” Operates from one 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

***Touch Sensitive Coin Tosser/Decision Maker Kit*.....C6354 $6.50**

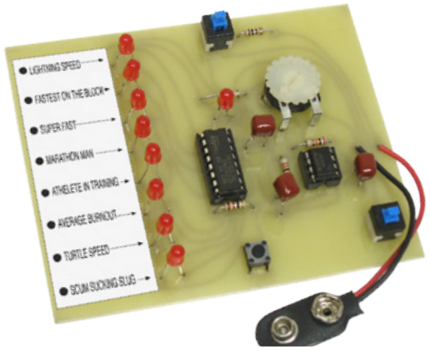


Rolling Dice Kit

Push the switch on this kit and bright red dice “roll” rapidly. Release the button and one of six standard dice patterns stays on. That’s your number! If you are playing a game that requires two dice, simply remember the first number and roll one more time for the second number. Uses 21 bright red jumbo LEDs and two ICs to provide an electronic way to replace standard dice. Kit features black outline printed dice on top of circuit board. Operates from one 9V battery (not included). Size of board: 6.7” x 3”. Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL TYPE B MOUNTNG BASE - C6621

***Rolling Dice Kit*.....C6412 $19.50**



Super Time Reaction Kit

Amazing and fun to use kit tests your reaction! Simply depress the “start” button with your finger. Eight bright LEDs begin to flash in sequence. Then as fast as possible, press and release the “stop” button with the same finger. Your reaction rating is indicated by the label next to the bright LED which remains on! Have contests with friends to see who has the fastest reaction speed. Do you react with “Lightning Speed” or “Turtle Speed”? Our colorful kit will tell you. Features adjustable speed control to set difficulty Level and operates from a 9V battery (not included). Size of PC board: 3 1/4” x 4”. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***Super Time Reaction Kit*.....C6716 $13.50**



Wheel Of Fortune Kit

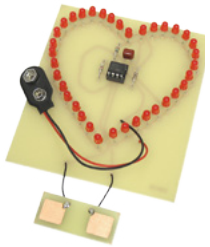
Very popular game device! Push the start button and a bright red “ball” (LEDs) appears to spin around ten numbers gaining speed as you hold the button down. When you release the button, the electronic ball appears to slow down and finally comes to a stop on one number. As the ball spins, a small speaker emits a ticking sound in synchronization. Features colorful faceplate and jumbo red LEDs. Operates from one 9V battery (not included). Size: 2 5/8” x 2 7/8”. Complete with all parts, PC board and instructions. Skill Level 3.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***Wheel Of Fortune Kit*.....C3806 $16.50**

Heart Throb Kit

How fast will your heart throb? Are you the calm, silent, cold type or the hot-blooded casanova type? Only the Heart Throb Kit knows for sure! This fun kit features a bright red heart which has the ability to flash at various rates for different people. Place your fingers on the contacts and see how fast the heart will throb! Kit features IC circuitry and 36 jumbo red LEDs. Operates from one 9V battery (not included). Size of board: 3.6" x 4". Complete with all parts, PC board and instructions. Skill Level 2.



OPTIONAL TYPE A MOUNTING BASE - C6620

Heart Throb Kit **C6410** **$15.25**

The Haunted Pumpkin Kit

Here is the perfect kit to spice up your Halloween. In addition to alternately flashing its green LED eyes with its red LED nose, it also produces an eerie, spooky electronic sound from its piezo mouth. The kit operates from one 9V battery (not included) and uses a 2 IC circuit and full color "pumpkin label" for you to glue on to the PC board. Size of PC board: 5" x 3". Complete with all parts, label, PC board and instructions. Skill Level 2.



OPTIONAL PLASTIC TYPE 4 BOX - C6366

The Haunted Pumpkin Kit **C6783** **$14.50**

Screaming Turkey Kit

Colorful kit makes a great addition to any Thanksgiving celebration. Perfect for an unusual centerpiece or home decoration. Not only does the Screaming Turkey Kit produce a screaming turkey sound, but also the colorful red, green, and yellow LEDs light up and flash. The 2 IC circuit features 2 controls to adjust the sound and flashing speed. Operates from one 9V battery (not included) and uses a full color "Turkey" label that is glued to the PC board before you install the components. Size of PC board: 5" x 3". Complete with all parts, PC board, label & instructions. Skill Level 2.



OPTIONAL PLASTIC TYPE 4 BOX - C6366

Screaming Turkey Kit **C6784** **$14.50**

Magic Christmas Tree Kit

This unique kit is sure to surprise all who see it! The kit shows a colorful Christmas Tree which has 3 white looking bulbs (actually LEDs). When a 9V battery (not included) is connected, the bulbs on the tree blink all red then all green and then back to red again. The effect is magic! Size of PC board: 2 1/2" x 2 5/8". Circuitry uses 4 transistors to produce this unique display and a color label which you glue to the PC board before you start assembling the kit. Complete with all parts, label, PC board & instructions. Skill Level 1.



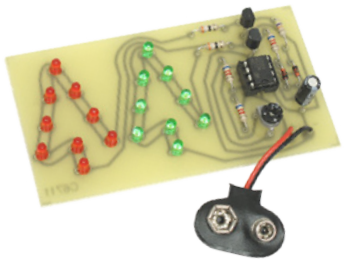
OPTIONAL PLASTIC TYPE 2 BOX - C6364

Magic Christmas Tree Kit **C6773** **$8.50**

Magic Christmas Tree Kit - Bulk Package for 25 Students **C8109** **$167.95**

Flashing Christmas Trees Kit

Bright red and green Christmas trees alternately flash in this colorful kit. This kit uses one IC and 2 transistor electronic circuit with 18 colorful miniature bright LEDs. Features adjustable flash speed control that can be adjusted from slow alternate flashing to a shimmering effect. Great attention getter, Christmas ornament, Christmas display, etc. Size of circuit board: 3 5/8" x 1 7/8". Operates from a 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 2.



OPTIONAL PLASTIC TYPE 4 BOX - C6366

Flashing Christmas Trees Kit **C6711** **$11.50**

Learn to Solder "Mesmerizing Christmas Tree"

This amazing 4.4" tall Christmas Tree uses 6 frosted white LEDs that contain one integrated circuit (IC) each which cause each LED to light up and flash different colors at different times. You'll see a kaleidoscope of bright reds, greens, blues etc. flashing and fading from each LED. In addition, it has a clear LED on the top of tree that flashes red and green! The learn to solder components are 7 special "Dogbone" resistors and 3 regular resistors to give your student ample solder practice before soldering the special flashing LEDs which contain a built in IC. Tree is self-standing or can also be hung on a strong branch of a tree with included nylon line. Skill Level 1.



Learn to Solder "Mesmerizing Christmas Tree" **C1225** **$14.25**



Cosmic Poppers Kit

This very unusual kit emits random pops and random explosions of bright white light when it is in the dark (kit has a CDS cell to sense the absence of light). This kit produces one of the most unusual "out-of-this-world" effects! Features SCR and CDS circuitry with 3 bright lamps and a piezoelectric speaker. Easy to build and it creates a spectacular display. It may even cause speculation as to whether or not it was left here by aliens! We put 4 of these into a darkened room and the resulting sound and display was amazing. Size of PC board: 2.9" x 2.4". Operates on 2 "AA" batteries (not included). Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

Cosmic Poppers Kit	**C6893**	**$9.50**
Cosmic Poppers Kit - Bulk Package for 25 Students	**C8110**	**$187.95**



The Aggravator Kit

This exciting kit combines the most aggravating features from 2 of our most popular kits: the Insanity Alarm and the Secret Squealer. Hide this kit in a room and it will wait in total silence until the room darkens. In the dark it begins its aggravating function: for about 2 or 3 seconds every 3 to 5 minutes it emits a screaming tone. Any unsuspecting person will want to find the culprit so he will turn on the lights, but the Aggravator Kit will remain silent again making it impossible to find. On returning to the quiet of the darkened room the person will be startled again after 3 to 5 minutes. This is a fun, harmless kit that will bring hours of enjoyment. Complete with all parts, PC board and instructions. Operates from one 9V battery (not included). Size of PC board: 1 1/4" x 2 3/4". Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

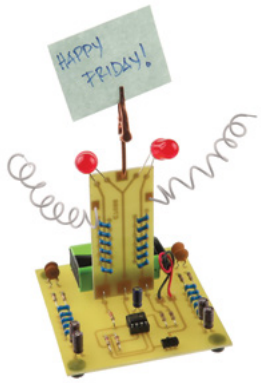
The Aggravator Kit	**C6840**	**$9.25**



Gravity Detector? Kit

This kit detects gravity? Well, not really- What it does do is remain in an off state until a curious person lifts up the kit to study it. The "Gravity Detector" has a CDS cell underneath the board which activates when the board is lifted and gives the "curiosity seeker" a mild electric shock from the "handle" attached to the board. A great practical joke item! Uses IC, SCR and FET circuitry. Operates from one 9V battery (not included). Size of PC board: 4" x 2". Comes with all parts, PC board & instructions. Skill Level 2.

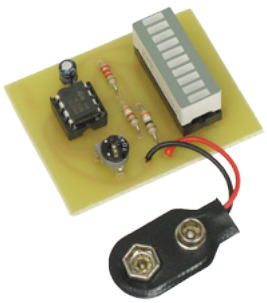
Gravity Detector? Kit	**C6894**	**$13.95**



The RoboNote Kit

Before running out the door, check your RoboNote for any important messages. Need a reminder to bring your lunch, pack your science project or that it's test day? Now your reminder notes won't go unnoticed with the help of the flashing activated RoboNote. The RoboNote uses two large and bright 10mm LEDs that alternately flash by using a 555 IC configured as a multi-vibrator. As soon as you read your note, you can remove it from its clip and switch it off to put the RoboNote to rest. Perfect for beginner student as it has 34 practice parts (besides all the active parts) to solder throughout the design of the robot's base and body. Operates on a 9V battery (not included). Uses 2 PC boards. Size of base PC board: 3.25" x 3.25" and size of body PC board 1.25" x 3". Complete with all parts, PC boards and instructions. Skill Level 1.

The RoboNote Kit	**C7098**	**$14.25**



Hypnotic Bars Kit

This unusual kit consists of 10 bright green LED bars which shimmer or flash for a hypnotic looking display. Kit features 1 IC circuit with a "Bar Effect" control to adjust the back and forth flashing for the optimum unique shimmering display. Although the kit won't hypnotize you it really has a unique attention getting display of bright green bars. Operates from one 9V battery (not included). Size of PC board 2" x 1 1/2". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

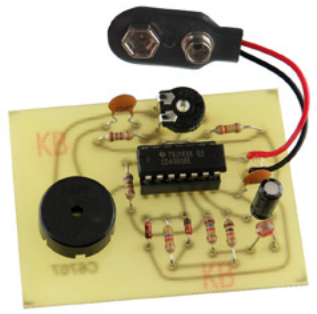
Hypnotic Bars Kit	**C6772**	**$9.25**

Electronic Cricket Kit

Here's just what you need to complete your home, an electronic cricket that starts "chirping" every time the lights go out. Of course if you turn on the lights to look for the "cricket", it becomes silent again. Uses a CMOS IC and CDS cell circuit with an adjustable "cricket" sound control, that enables you to adjust your cricket to the chirp that you find most irritating. Simple to build and loads of fun to use. Your electronic cricket is sure to get the attention it deserves. Operates from one 9V battery (not included). Size of the PC board: 1 7/8" x 2 1/2". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Electronic Cricket Kit	C6707	$8.75



TOWS Kit

The TOWS (Terribly Obnoxious Woodpecker Sound) Kit produces a very loud woodpecker sound. This small kit just can't be ignored as it generates the pecking sound of a crazed bird. Uses a small piezo and a two transistor electronic circuit that generates a high voltage to provide a terribly loud "rapping/tapping" sound from the piezo. Features include a small control to adjust the speed of the "tapping", and operation from a 9V battery (not included). Size of PC board: 2 3/4" x 1 3/8". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

TOWS Kit	C6712	$8.50
TOWS Kit - Bulk Package for 25 Students	C8103	$166.95

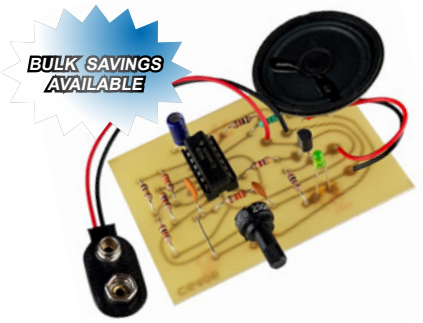


Phasor Sound And Light Kit

This kit produces the sound and light you've seen in the futuristic weapons used in most space movies! Phasor Kit features a control to vary the frequency of the sound. Great for attention getters, science projects or use your imagination and place our kit in models, robots, phasor guns, etc. Operates from one 9V battery (not included). Size of board: 2 3/4" x 2". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Phasor Sound & Light Kit	C6406	$11.25
Phasor Sound & Light Kit - Bulk Package for 25 Students	C8101	$178.50



Crazy Chirper Kit

Here's the perfect kit to keep your unsuspecting guests entertained or should we say irritated. The chirper kit remains silent until the lights go out (just like a real cricket). The moment it gets dark the "chirper" starts to make its racket driving your guest crazy. Of course, when your guest turns the light on to look for the "chirper", it becomes quiet again. This fun kit features a CDS cell circuit with 2 transistors, piezo speaker and a flashing LED (which can be disabled). The built-in sound control allows you to adjust the sound from that of a crazy cricket to that of a chirping canary. Operates from one 9V battery (not included). Size of board: 3" x 2". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Crazy Chirper Kit	C6470	$8.95
Crazy Chirper Kit - Bulk Package for 25 Students	C8102	$157.50



Jam Man Kit

Jam Man and band are coming to rock your town. Uses a preprogrammed PIC16F88 microcontroller and a sensitive IC amplifier with an electret microphone to drive a 5" x 7" green LED matrix display. Jam Man is happy and sings along to the music. When its quiet for awhile he takes 5 (frowns and then goes to sleep) until he hears sounds again, then he gets back on stage! Operates on one 9V battery (not included). Size of PC board 2.8" x 1.25". Complete with all parts, PC board and instructions. Requires soldering. Skill Level 2.

Jam Man Kit	C6987	$32.95





Complete Introduction to Kit Building Package

This super package helps your student succeed in building electronic kits because it contains everything your student needs to get started. This is an amazing value and it provides an easy way to get started in the "Fun of Kit Building". Skill Level 1.

Learn to Solder Kit

Non-functional PC board and components that the students build to learn how to solder.

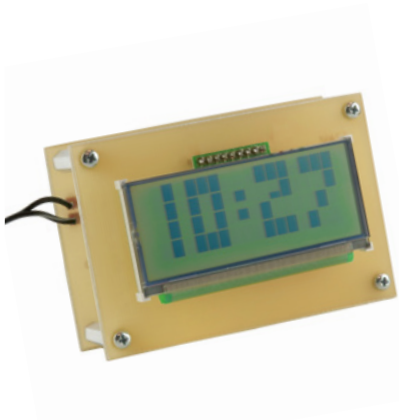
"Blinder" LED Flasher Kit

This kit features 3 crystal clear special LEDs which create brilliant flashes of orange-red light. The light output of this flasher kit can even be seen in direct sunlight. You've never seen anything like it! Great for night joggers, bicyclists, warning markers, etc. Size of PC board: 2" x 1.4". Operates on one 9V battery (not included). Flash rate is adjustable with the built-in trimmer potentiometer. Complete with all parts, PC board and instructions. Skill Level 1.

Complete Set of Soldering Tools

Contains everything needed for the novice to start building kits right away: Soldering Iron, Tube of Rosin Core Solder, Sharp Wire Cutting Pliers, Special Soldering Helping Hands with Adjustable Board Holder, Magnifying Glass and Soldering Iron Holder and a Pair of Safety Glasses

Complete Introduction to Kit Building.....**C6898** **$44.50**



MicroControlled Digital Clock Kit

Build your own Microcontrolled Digital LCD clock! This kit uses a programmed microcontroller to keep time and send data to a serial interfaced digital display. The LCD clock kit displays hours and minutes (12 hour format) on a 4 line LCD display. The clock digits are 7/8" tall and the second indicator blinks every second. A simple to use menu is controlled by two push button switches that allow you to set the hour and minute. Features an adjustable display contrast and a nice green back-light for the LCD display. The kit consists of a main chassis PC board and a separate LCD display PC board. Standoffs and front mount LCD display make a professional looking project and a great conversation piece. Size of each PC board is 3.75" x 2.5". Depth of assembled clock is about 15/8". This kit operates on an included AC power adapter (no battery required). Complete with all parts, PC boards and instructions. Requires soldering. Skill Level 2.

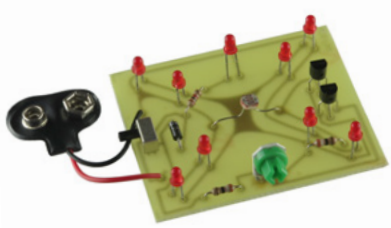
MicroControlled Digital Clock Kit.....**C7407** **$32.50**



IR Control Spinner Kit

Your classroom will be mesmerized with the dizzying effects of their IR Control Spinner Kit. Uses a motor and a sensitive IR module to allow it to operate with any brand or type of IR remote control (not included). Operates from one 9V battery (not included). Size of board: 3-1/8" x 1-1/4". Complete with all parts, 2 hypotic wheels, PC board & instructions. Skill Level 1.

IR Control Spinner Kit..... **C6778** **$10.75**
IR Control Spinner Kit - Bulk Package for 25 Students..... **C8108** **$209.50**



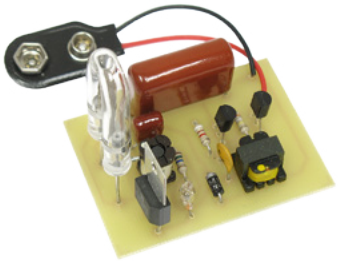
Laser Target Kit

Here's a kit that provides a fun use for your laser pointer. Aim your pointer at the small "CDS Bull's-eye" and if you strike it, you will see a bright red star (made from 8 LEDs). The kit features a red LED aiming spot that can be switched on at night for target practice. The target can also be used inside during daylight hours as it has a control to adjust for ambient room light. The range of use is only limited by the range of your laser pointer. Create contests and sharpen your skills with this fun kit. Operates from one 9V battery (not included). Size of board: 2 1/2" x 2". Complete with all parts, PC board & instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Laser Target Kit.....**C6739** **$9.25**

9VDC Strobe Warning Flasher Kit



Compact strobe flasher produces brilliant flashes of white light from a Xenon horseshoe strobe tube. Features newly revised circuit for brighter output and less current drain. Operates from standard 9V alkaline battery (not included) and flashes approximately 40 times per minute. Great safety device and attention getter. Small board is only 1-7/8" x 1-1/2". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 3 BOX - C6365

***9VDC Strobe Warning Flasher Kit*.....C5175 $18.25**

120VAC Variable Strobe Light Kit



One of our most popular strobe light kits - thousands of these are in use. Features variable flash rate and straight Xenon strobe tube. Speed can be varied from about 120 to 200 flashes per minute. Great for parties, dances, displays, etc. Operates from standard 120VAC. Size of board: 3" x 2". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

***120VAC Variable Strobe Light Kit*.....C3071 $16.00**

Tiny Strobe Light Kit

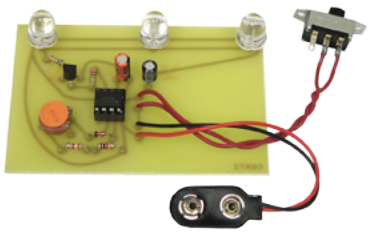


Tiny Strobe Light Kit operates from 3 AAA batteries (not included) and produces a bright white flash of light from a 1" long Xenon strobe tube. The flash rate with fresh batteries is about 60 per minute (rate will slow down as the batteries get weaker). Great for warning flashers on bikes, RC airplanes, hiking, etc. Can be seen even in bright sunlight! Uses 2 transistors and an efficient inverter circuit to produce the high voltage necessary for the xenon tube. Size of PC board is 1.8" square. Complete with all parts, battery holder, and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

***Tiny Strobe Light Kit*.....C6995 $14.25**

Unfiltered Blacklight Strobe Kit

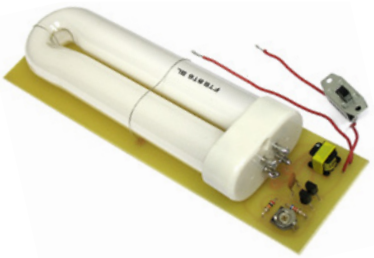


Light up blacklight inks and posters with this unique Unfiltered Blacklight Strobe Kit (great for Halloween effects). Uses 3 large (10mm) UV LEDs that flash at a rate adjustable from about 80 up to 300 flashes per minute. In a darkened room the output is amazing. Operates from one 9V battery (not included) and features an IC circuit with "on board" adjustable speed control. Size of PC board 3 3/8" x 2 1/4". Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

***Unfiltered Blacklight Strobe Kit*.....C6973 $15.75**

Battery Operated Blacklight Kit



Here's an unusual kit that is just the thing for finding fluorescent minerals, detecting insects that glow under black lights, reading invisible fluorescent inks, etc. Completely portable kit comes with an unfiltered large U shaped black light tube and efficient solid state drive circuitry. Features control to vary the brightness and lightweight portable design. Size of board: 7" x 1.8". Operates from 6VDC (battery not included). Complete with all parts, PC board and instructions. Skill Level 1.

***Battery Operated Blacklight Kit*.....C6889 $13.25**



44 in 1 Communications Exploration Lab

Discover the Ultimate Introduction to Radio Communications and Opto-Electronics! Dive into the world of technology with the most engaging lab experience around. Designed with students in mind, this lab keeps both hands and minds active as you build incredible communication experiments using wire, fiber optics, radio waves, light, and infrared links.

What Experiments Can You Build?

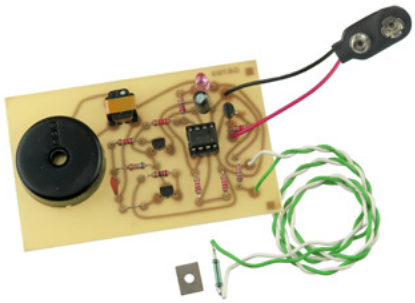
PA System, zzAM Radio Receiver, Broadcast Station, Optical System
Infrared Link, Fiber Optics,IR Remote Control,Proximity Detectors

Kit Includes:

2 Solderless Breadboards: Easy-to-use for all your experiments.
64-Page Fully Illustrated Manual: Step-by-step instructions makes learning a breeze.
Tuner Board: (Requires soldering) for advanced projects.
Over 50 Electronic Components.

No prior knowledge or experience is required, Just a curiosity to learn and experiment. Try it out and experience why the Chaney Exploration Lab is the best introduction to radio communications and opto-electronics. We are confident you will be completely satisfied with your journey into the world of technology! Requires a 9V Battery, Not Included. Skill Level 1.

44 in 1 Communications Exploration Lab.....**C6763** **$58.75**

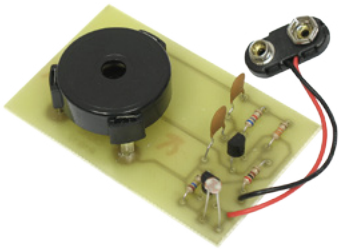


Window/Door Burglar Alarm Kit

This kit makes a great burglar alarm for your home. Whenever anyone attempts to open your window, this kit produces a loud pulsating electronic sound from the built in piezo speaker and it also flashes a bright red LED. The sound won't stop, even if the window is closed again. Only you can shut it off. The kit will protect a window or door. It is very simple to install as only a small magnet (included) needs to be attached (glued) to the movable window or door. Uses IC, SCR and transistor circuitry. Operates on a 9V battery (not included). Size of PC board: 2 1/8" x 3 7/8". Complete with all parts, PC board, reed switch, magnet and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Window/Door Burglar Alarm Kit.....**C6703** **$14.50**



Insanity Alarm Kit

Set this kit in an inconspicuous place with light shining on it and it remains perfectly silent, however, as soon as the light is turned off the kit emits a high pitched irritating tone! When they turn the light on again to look for the culprit it keeps silent again! Easy to build and loads of fun to use. Operates from one 9V battery (not included). Size of board: 2.9" x 1.8". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

Insanity Alarm Kit.....**C6240** **$8.75**



Manual Siren Kit

This kit produces upward and downward wail of a "police siren" as a push-button is depressed then released. Good for sound effects, parties, etc. Kit is small in size but produces a loud tone from a small speaker. Kit features transistor and IC circuitry which operates from one 9V battery (not included). Size of PC board: 2 3/4" x 2". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 3 BOX - C6365

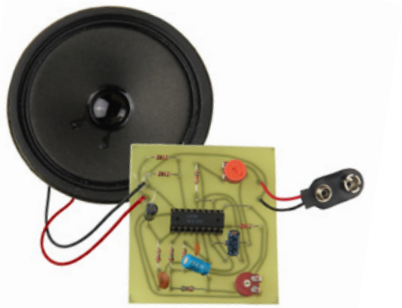
Manual Siren Kit.....**C6382** **$10.75**

Super Siren Kit

When you need a real irritating siren, you need the Super Siren Kit. It features one special IC that contains 3 separate transistors and a high gain power amp. Great for getting everyone's attention in the classroom! Siren sound is the pulsating automatic electronic type and features 2 separate sound adjustments. Size of board: 2.5" x 2.75". Operates from one 9V battery (not included). Complete with all parts, speaker, PC board & instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 4 BOX - C6366

***Super Siren Kit*.....C6474 $13.25**

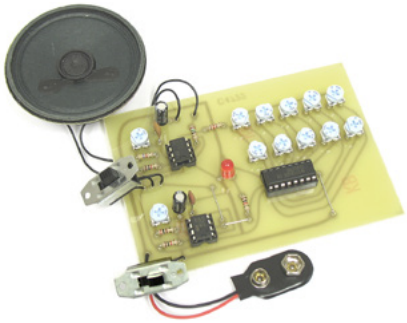


10 Note Sound Synthesizer Kit

Very unique synthesizer features 10 adjustable notes, variable pitch, variable speed, flashing LED and individual or flowing notes. Make "robot" sounds, space war, computer effects, etc. One of our most unusual kits! Circuit features three ICs and 12 trimmer resistors. Size of board: 2 13/16" x 4". Operates from one 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***10 Note Sound Synthesizer Kit*.....C4722 $18.25**

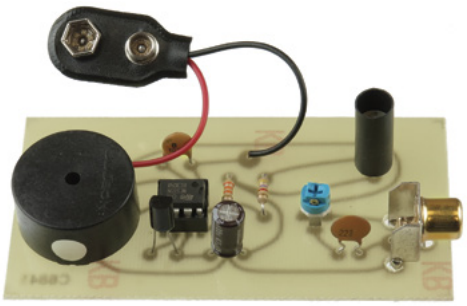


Sci-Fi Sound Effects "Theremin"

Produce all kinds of weird sound effects with this small simple to build kit. Utilize 2 light sensors: one controls the frequency and the other modulates (varies) the sound. Simple one IC circuit with built in speaker and an RCA jack so you can send the sound to your amplifier if desired. Simply use your hands to produce some of the strangest, spookiest sounds you'll ever want to hear! Operates from one 9V battery (not included). Size of PC board 3 1/2" x 1 1/4". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***Sci-Fi Sound Effects "Theremin"*.....C6841 $13.25**



8 Note Tunable Electronic Organ Kit

Tunable 8 note organ features IC oscillator and Darlington transistor output stage to provide clear loud tones. Play simple compositions, favorite tunes, etc. Uses reliable push-button switches for continuous trouble-free performance. Each note is fully tunable with on board trimmer controls. Operates from 3V to 9VDC. Size of board: 2" x 5". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

***8 Note Tunable Electronic Organ Kit*.....C4736 $15.25**



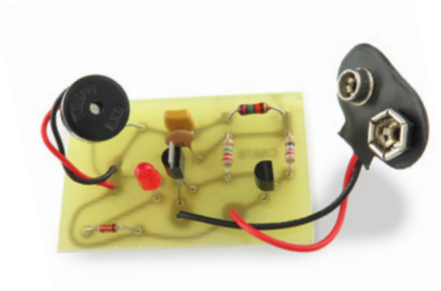
Light Sensitive Sound Generator Kit

Simple to build kit creates a tone which varies depending on the amount of light you allow to strike on a CDS cell. Kit features IC circuitry and small speaker to create this unusual effect. In total darkness the unit emits clicks or is silent; as light increases the kit emits clicking sounds then with more light a continuous tone. Operates from 9V battery (not included). Size of board: 1 1/4" x 1". Complete with all parts, PC board and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 2 BOX - C6364

***Light Sensitive Sound Generator Kit*.....C4164 $8.25**





Chirp Chirp Kit

When you are in the mood for some disturbing, irritating chirping sounds, this kit will meet your needs. Not only does it produce a sharp chirping racket, but it also flashes a bright LED along with the noise. Operates on one 9V battery (not included). Size of PC board 2" x 1.25". Complete with all parts, PC board and instruction. Skill Level 1.

OPTIONAL PLASTIC TYPE 1 BOX - C6363

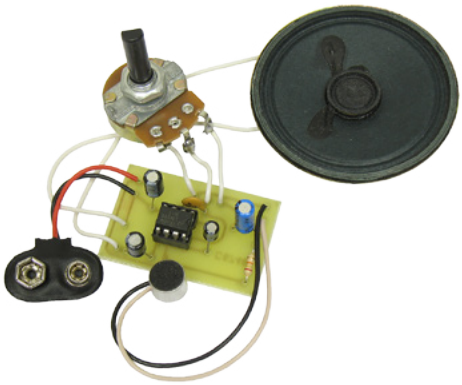
Chirp Chirp Kit **C6878** **$6.95**



Guitar Practice Amp Kit with Case

The Guitar Practice Amplifier Kit with Case is perfect for any aspiring guitar musician! Operates on one 9V battery (not included) and delivers up to 1Watt of guitar music from a built in 3-1/2" speaker. Features standard 1/4" female jack for guitar cord, volume control, tone control, on/off switch, "on" indicator and compact case of 4.25" square x 2.25" high. Comes with all parts, PC board, case and knobs. Skill Level 2.

Guitar Practice Amp Kit with Case **C7058** **$28.00**

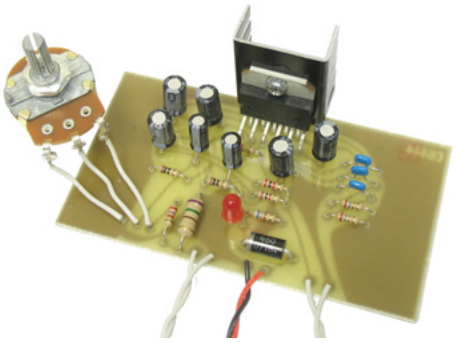


Megaphone Kit

With this Chaney kit you can build a useful megaphone or PA system to amplify your voice. This kit is small and self-contained and includes a high-gain electret microphone, an IC audio amplifier, a volume control and a speaker. You will really be amazed with the clarity of sound and power of this little amplifier system. Ideal for use as a megaphone, PA system, one-way intercom, or many other applications where sound needs to be amplified. Approximate size of board: 1 3/4" x 1 1/4". Operates from a standard 9V battery (not included). Complete with all parts, PC board, and instructions. Skill Level 1.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Megaphone Kit **C6746** **$11.25**

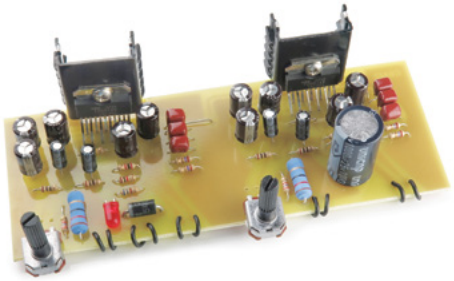


20 Watt RMS Mono Amp Kit

High power amp for various booster applications. Kit features short circuit and open circuit protection and has very low distortion (1% or less). Amplifier has red LED "on" indicator and will boost any tuner, radio, cassette, CD player to room filling volume out of your speaker! Size of board: 3.75"x 2.1". Operates from 12VDC. Complete with all parts, PC board and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 5 BOX - C6367

20 Watt RMS Mono Amp Kit **C6444** **$24.50**



20W + 20W Stereo Amp Kit

Two separate high power amps on one PC board. Each amp has its own Level control and puts out an incredible 20 Watts RMS. Features red LED "on" indicator and low distortion circuitry. Great stereo booster amp for your car sound system. Use with any speakers capable of handling at least 20 watts. Size of board: 6" x 2.25". Operates from 12VDC. Complete with all parts, PC board and instructions. Skill Level 2.

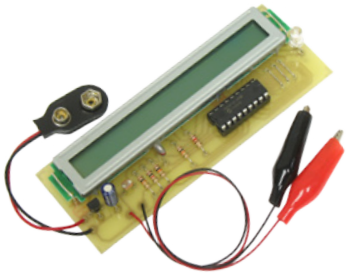
OPTIONAL PLASTIC TYPE 5 BOX - C6367

20W + 20W Stereo Amp Kit **C6442** **$32.95**

TOL (Temperature, Ohm, Light) Kit

Our Temperature, Ohm, Light (TOL) Kit makes a great introduction to programmable integrated circuits (PIC) by demonstrating 4 specific functions being handled by a single pre-programmed PIC. This kit measures three different parameters and displays them on a 3.5" LCD. This kit uses a PIC16F88 pre-programmed IC to allow you to measure resistance from 30 Ohms up to 470k Ohms, temperature from 35ºF to 130ºF and light intensity from 0% up to 100% (full sunshine). The PC board is about 4.4" long x 1.6" wide and comes with the LCD display already soldered in (the pins on the display are very close together so we solder and test the connections to prevent solder bridges). Operates on one 9V battery (not included) and uses a built in thermistor to measure ambient temperature, a CDS cell to measure relative light intensity (when the light intensity drops below 10% a bright yellow LED lights up). Finally, the kit uses clip leads that you can attach to resistors to display their values in ohms. Complete with all parts, pre-programmed PIC, PC board with display installed and instructions. Skill Level 2.

OPTIONAL PLASTIC TYPE 5 BOX - C6367



TOL Kit **C6996 $29.25**

Continuity Tester Kit

OPTIONAL PLASTIC TYPE 2 BOX - C6364

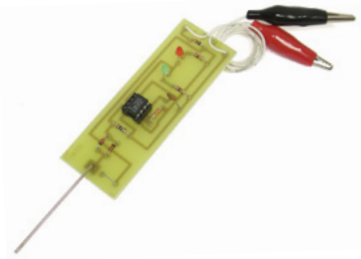
Handy kit is a must for anyone working with electronic circuits. Traces circuit paths for continuity, checks for broken wires, shorted contacts, etc. Uses small piezoelectric speaker which emits a pleasant tone and features a bright red LED visual indication. Operates from one 9V battery (not included). Size of board: 2 1/4" square. Complete with all parts, PC board and instructions. Skill Level 1.



Continuity Tester Kit **C6385 $6.50**

CMOS/TTL Logic Probe Kit

The Chaney C6722 CMOS/TTL Logic Probe Kit is handy, reliable, and inexpensive. Designed to operate with voltages between 5 and 20 volts, this logic probe is the ideal tool for troubleshooting CMOS and TTL digital circuits. It has a visual indicator that consists of a red LED and a green LED. The red LED indicates a High (1) logic state, and the green LED indicates a Low (0) logic state. This logic probe is small, easy to build, and easy to use. Operates from the power of the circuit being tested. Size of PC board: 3 5/8" x 1 1/4". Complete with all parts, PC board and instructions. Skill Level 1.

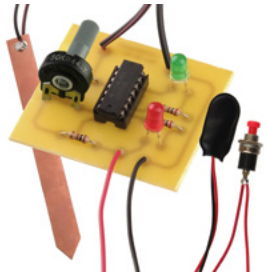


CMOS/TTL Logic Probe Kit **C6722 $9.75**

Plant Soil Monitor Kit

OPTIONAL TYPE 1 PLASTIC BOX - C6363

Time saving kit allows the user to determine if the plant soil needs more watering or is wet enough. Features IC circuitry and two bright LEDs. Green LED indicates ample moisture, red LED indicates more water is needed. Kit comes with simple moisture probe and has trimmer control to adjust kit to a "standard" of moisture content. Helps prevent over-watering or under-watering of plants, gardens, etc. Operates on 9V battery (not included). Size of board: 2" x 1.8". Complete with all parts, PC board and instructions. Skill Level 1.

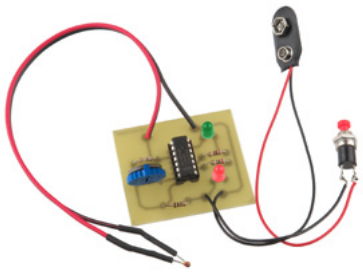


Plant Soil Monitor Kit **C4744 $9.25**

Temperature Warning Kit

OPTIONAL TYPE 2 PLASTIC BOX - C6364

The Temperature Warning Kit can be set to indicate a rise or drop in temperature. You simply adjust the control knob on the kit for the ambient control temperature that the thermistor is sensing. Now as the temperature changes, a red or green LED indicates over or under temperature from the standard. Features an IC circuit and operation from one 9V battery (not included). Use this kit to warn of garden temperatures below 32˚ or refrigerator/freezer temperatures above normal, etc. Order optional wire to allow for remote location of thermistor sensor if desired. Size of PC board 2" x 1.8". Comes complete with all parts, PC board, 9" of wire, and instructions. Skill Level 1.

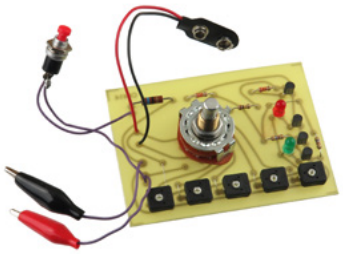


Temperature Warning Kit **C6908 $8.25**

Battery Tester Kit

OPTIONAL PLASTIC TYPE 5 BOX - C6367

Our Battery Tester Kit is just the answer to test all types of common batteries. Simple to use–just select the battery voltage to be tested by rotating the selection switch and connect the clip leads to the battery. If the battery is good, the green LED lights. If it's bad the red LED lights. Kit features 5 calibration trim pots to allow you to set up your tester to test any 5 different type batteries that you frequently use. Size of board: 2.6" x 3.5". Operates from one 9V battery (not included). Complete with all parts, PC board and instructions. Skill Level 1.



Battery Tester Kit **C6414 $15.75**

Make: Electronics by Charles Platt



A great introduction to electronics if you are new to the subject or field is the Make: Electronics Second Edition book by Charles Platt (Sold in bookstores). “In this book, you’ll see for yourself how components work and what happens when they don’t. You’ll short out a battery and overheat an LED. You’ll also open up a potentiometer and a relay to see what’s inside. No other book gives you such an opportunity to learn from real-life experiences.”

Make: Electronics 2nd Edition - Entry Level Kit (Exp 1 - 11)	**CM1001**	**$62.95**
Make: Electronics 2nd Edition - Soldering Kit (Exp 12- 14)	**CM1002**	**$24.95**
Make: Electronics 2nd Edition - Supplemental Kit (Exp 15 - 24)	**CM1003**	**$44.95**
Make: Electronics 3rd Edition - The Basics (Exp 1 - 5)	**CM3001**	**$20.95**
Make: Electronics 3rd Edition - Switching (Exp 6 - 11)	**CM3002**	**$42.95**

Thermoelectric Generator Demonstrator Kit



A unique lab demonstration for thermoelectric power uses a Peltier Thermoelectric Generator that produces enough electricity from a cup of hot water and a cup of cold water to cause a small DC fan motor to spin. Relies on the Seebeck-Peltier effect by which multiple PN thermoelements are sandwiched between two ceramic plates. The Peltier module is sandwiched between 2 metal L-brackets. Great demonstration of an application of non-polluting “green energy”. Use over and over again. No soldering required – just plug in fan to generator, place across cup of ice water and cup of hot water. Note: Mugs not included. You need only supply 2 foam cups or mugs, water, and ice as all other items are included!

Thermoelectric Generator Demonstrator Kit ***C7602*** **$15.75**

9V Battery Snaps



(Pack of 100) 9V battery snaps. We use these in our kits.

C6539 $46.00

555 Timer IC (Package of 10)



555 timer integrated circuit. We use these in many of our kits.

C6544 $5.75

Super LED Assortment



Assortment of all types, colors, sizes and shapes of prime high quality LEDs. Assortment contains 100 pieces in a reclosable bag.

C6515 $8.25

Bag of Electronic Parts



Zip close plastic bag containing about 40 popular electronic parts. You’ll get 5-red LEDs, a Green LED, a Yellow LED, 5-2N3904 NPN transistors, 5-2N3906 Transistors, a 106 SCR, a 386 IC, 2-555 ICs, a 4001 IC, a 4011 IC, a 4017 IC, a 4093 IC, 2-Diodes, 2-9V snaps, plus several popular resistor and capacitor values!

C6831 $10.00

Workaholic 9V Batteries



Brand new sealed 9VDC Workaholic Alkaline Batteries.

Pkg of 12 G20083 $34.00

Transistors



Our most commonly used transistors

2N3904 NPN Transistors

C6504 (Pkg 100) $23.00

2N3906 PNP Transistors

C6505 (Pkg 100) $23.00

SMD Tweezer Magnifier



This is one of the most useful items for working with SMD parts. Tweezer folds out from magnifying glass so that you can get a clear view of the tiny part you’re picking up. Size about 3 1/2” long.

C6513 $6.00

Large Universal Breadboard



Handy breadboard for making prototype circuits. White 6 1/2” x 2 1/8” quick connect breadboard accepts almost all types of electronic components and wires. Consists of 126 groups of 5 connected terminal points and 8 bus lines of 25 connected terminals. High quality.

C7113 $10.00

Digital Multimeter (VOM) with Backlight & Hold



Voltage: Measures 0-600VDC and 0-600VAC
Resistance: 0-2 Meg Ohm resistance in 5 ranges
Current: 0-10 amps in 5 ranges
Features: Data hold, backlight display, diode test, and audible continuity
Size: 5-1/2” x 2-3/4” x 1-5/8”

G26395 $24.95

Mystery Surprise Box



We stuffed 100’s of various components in the 5” x 6” mysterious component surprise box. You will find lots of LEDs in addition to many other new and valuable component types. It’s an incredible value and an exciting mystery box to explore.

G22665 $6.95

Power Point Courses (USB)



C7800 The Atom
C7801 Current, Voltage & Resistance
C7802 Ohm’s Law
C7803 Resistor Color Code
C7804 Component Identification
C7805 Learn to Solder

C7806 All Six Courses $159.95

For more details see Website.

$29.95 each

Inventors Surprise Box



One of our best surprise boxes, the Inventor’s Surprise Box, measures 5”x5”x3” and is chock-full of various items such as semiconductors, LEDs, resistors, capacitors, inductors, switches, wires, hardware, lamps, and displays. While you may not find every type of item listed, you’ll also discover sophisticated components not mentioned above! Each box is different. Start inventing as soon as your surprise box arrives! **G28911**

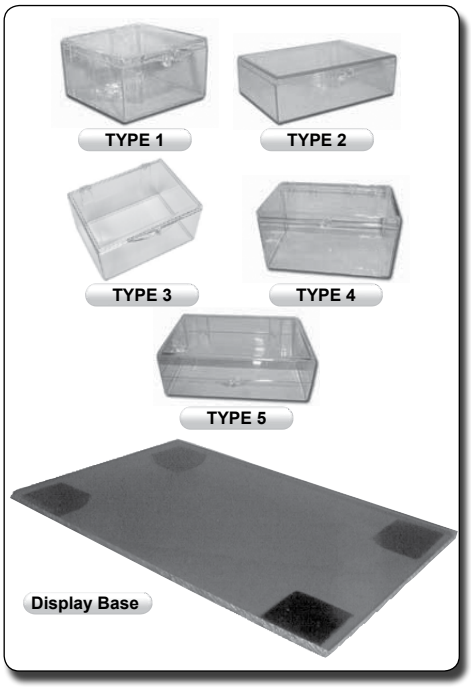
$9.95 Limit 2

CHANEY ELECTRONICS offers a complete line of enclosures for your electronic projects. For economy and simplicity, we offer several sizes of crystal clear hinged plastic boxes. To give you more variety, we also offer four Display Base Mounting Kits.

PLASTIC BOXES

These boxes can be drilled, painted and custom finished by you, or you can take the plain box and simply place your project in it with a minimum effort. We have listed the recommended box size below each electronic project kit. The complete box list is shown below if you wish to compare sizes.

TYPE 1 BOX	2" L x 2" W x 1-1/8" D	**C6363**	$3.45
TYPE 2 BOX	3-9/16" L x 2-9/16" W x 1" D	**C6364**	$4.55
TYPE 3 BOX	3-9/16" L x 2-9/16" W x 2" D	**C6365**	$5.50
TYPE 4 BOX	5-1/8" L x 3-1/8" W x 2-3/4" D	**C6366**	$6.25
TYPE 5 BOX	6" L x 4" W x 2" D	**C6367**	$6.50
Press-Apply RUBBER FEET for above Boxes (Package of 8)		**C6397**	$1.00



DISPLAY BASE MOUNTING KITS

These attractive grey acrylic mounting bases are perfect for finishing off your kit. Each Display Base comes with 4 press apply rubber feet and a piece of double-stick foam mounting tape to mount your kit to the base.

TYPE A BASE	4" x 6"	**C6620**	$5.75
TYPE B BASE	4" x 7"	**C6621**	$6.00
TYPE C BASE	6" x 8"	**C6622**	$6.75
TYPE D BASE	5" x 10"	**C6623**	$7.00

30 Watt Pencil Soldering Iron

Comfortable grip pencil soldering iron is perfect for building several electronic projects or light repair work. The tip on this iron does not last as long as the tip on the soldering station below. You can re-file it several times to extend the use.



C6652 $9.95

Deluxe Digital Soldering Station

High quality soldering station has adjustable temperature range of 302˚ to 842˚F (150º to 450˚C). Features large LCD display, has stand to hold iron and sponge for cleaning tip. Operates from standard 120VAC. It has a comfortable grip, a nice digital temperature control system, and replaceable tip if it should wear out.



C7272 $89.95

Replacement Tip C7273 - $5.95



Side Cutting Pliers

High quality, chrome-plated, side cutting small type pliers. Sharp cutting jaws with spring type insulated grips. Very handy for kit building and very good quality. Made in China. Size: 4-1/4" long.



C6511 $6.50

Needle Nose Pliers

High quality, chrome-plated, needle nose miniature pliers for precision electronic work. Precision made with spring type insulated grips. Handy and precision made in China. Size: 5-7/8" long.



C6512 $6.50

Variable Temperature Soldering Iron Station

This soldering station has front panel control to adjust temperature from 302° F to 842° F to match most soldering requirements. Operates on standard 120VAC 60Hz. Has built in tip cleaner sponge and sturdy soldering iron holder. Supplied with a pointed tip.



Replacement Tip C6837 - $6.49

G22784 $39.95

Special Soldering Helping Hands

This is the most useful of the "helping hands" series for anyone building or repairing electronic kits. It comes with fully adjustable clips for holding your circuit board, a quality magnifying glass, and a small soldering iron holder. Just provide a soldering iron and you're ready to go.



C6694 $10.25

Handy Tube of Rosin Core Solder

Perfect for all types of electronic kit construction or repair. Slip it into your pocket or tool chest. No hassle - easy way to have the right solder available when you need it. Tube is about 3 1/2" long. Solder is about .031 diameter and is perfect for almost every electronic application! Length about 6 ft.



C6650 $4.50

Handy Solder Wick

Great for de-soldering components from a PC board. Simply lay end of solder wick braid on top of PC solder pad and heat with solder iron. The solder "wicks up" into the braid so you can easily remove the component. 5 ft long–in a handy dispenser.



C6651 $4.00

Handy R.O.H.S Solder

This specially formulated rosin core solder contains no lead and meets R.O.H.S. requirements. This solder is perfect for use in building any of our R.O.H.S. kits. You get a 6ft coil (ample supply to build several kits).



C7329 $3.00

Visit www.ChaneyElectronics.com for hundreds of Electronic Components & Supplies

CHANEY ELECTRONICS QUICK ORDER FORM

Modified - 7/21/26

FAX US: (480) 451-9495
CALL US: 1-800-227-7312

Stock#	Description	Pg#	Qty.	Cost	Total
C1225	LTS - "Mesmerizing Christmas Tree"	29		14.25	
C3071	120VAC Strobe Light Kit	33		16.00	
C3287	LED Flasher Kit	24		6.00	
C3806	Wheel of Fortune Kit	28		16.50	
C4164	Light Sens. Sound Generator Kit	35		8.25	
C4407	Super LED Flasher Kit	24		8.25	
C4432	Fascination Star Kit	18		18.75	
C4516	Time Reaction Kit	27		6.95	
C4566	Fish Caller Kit	19		5.25	
C4567	Jumbo LED Flasher Kit	24		6.00	
C4657	Lie Detector Kit	27		8.75	
C4722	10 Note Sound Kit	35		18.25	
C4736	8 Note Organ Kit	35		15.25	
C4744	Plant Soil Monitor Kit	37		9.25	
C5175	9VDC Warning Flasher Kit	33		18.25	
C6240	Insanity Alarm Kit	34		8.75	
C6354	Coin Tosser Kit	28		6.50	
C6359	Binary Counter Kit	13		17.50	
C6360	Decimal Display Kit	13		18.75	
C6362	Macho Meter Kit	26		14.00	
C6382	Manual Siren Kit	34		10.75	
C6385	Continuity Tester Kit	37		6.50	
C6406	Phasor Sound and Light Kit	31		11.25	
C6410	Heart Throb Kit	29		15.25	
C6412	Rolling Dice Kit	28		19.50	
C6414	Battery Tester Kit	37		15.75	
C6439R	Magic Light Sweep Kit (Red)	17		16.50	
C6439Y	Magic Light Sweep Kit (Yellow)	17		16.50	
C6439B	Magic Light Sweep Kit (Blue)	17		16.50	
C6439RWB	Magic Light Sweep Kit (RWB)	17		16.50	
C6440	Flashing Triangle Kit	24		9.25	
C6442	20W + 20W Stereo Amp Kit	36		32.95	
C6444	20W RMS Mono Kit	36		24.50	
C6445	Learn to Solder Kit	14		12.75	
C6446	Shimmering Color Organ Kit	19		13.50	
C6454	Electronic Fireworks Kit	16		12.25	
C6470	Crazy Chirper Kit	31		8.95	
C6474	Super Siren Kit	35		13.25	
C6491	Deluxe Learn to Solder Kit	15		15.75	
C6701	IC Decision Maker Kit	26		7.75	
C6703	Window/Door Burglar Alarm Kit	34		14.50	
C6707	Electronic Cricket Kit	31		8.75	
C6708	SMD IC Star Flasher Kit	13		10.25	
C6709	33 in 1 Deluxe Electronic Exploration Lab	5		39.95	
C6711	Flashing Christmas Trees Kit	29		11.50	
C6712	TOWS Kit	31		8.50	
C6716	Super Time Reaction Kit	28		13.50	
C6719	Deluxe SMD Learn To Solder Kit	15		13.75	
C6721	35 in 1 Digital Lab	8		49.75	
C6722	CMOS/TTL Logic Probe Kit	37		9.75	
C6723	Cliff-Hanger Game Kit	27		17.75	
C6725	Intro to Surface Mount Technology Lab	16		34.50	
C6726	Digital Racquetball Game Kit	26		21.75	
C6727	Alien Attack Game Kit	27		21.75	
C6739	Laser Target Kit	32		9.25	
C6740	The Tingler Kit	28		14.25	
C6746	Megaphone Kit	36		11.25	
C6756	Flashing Alien Robot Kit	17		11.25	
C6758	Universal Learn To Solder Kit	14		13.75	
C6761	IR Vision Robot Kit	20		44.95	
C6762	34 in 1 Deluxe Robotic Lab	4		77.25	
C6763	44 in 1 Communications Lab	9		58.75	
C6772	Hypnotic Bars Kit	30		9.25	

Column A Total

Stock#	Description	Pg#	Qty.	Cost	Total
C6773	Magic Christmas Tree Kit	29		8.50	
C6774	Classroom Solder Practice w/ PP	22		138.00	
C6778	IR Control Spinner Kit	32		10.75	
C6780	Deluxe Decision Maker Kit	26		12.75	
C6783	Haunted Pumpkin Kit	29		14.50	
C6784	Screaming Turkey Kit	29		14.50	
C6788	Flashing Stop Sign Kit	16		17.50	
C6792	Red Mysterious Pyramid Kit	18		20.50	
C6793	Yellow Mysterious Pyramid Kit	18		20.50	
C6794	Green Mysterious Pyramid Kit	18		20.50	
C6795	Blue Mysterious Pyramid Kit	18		20.50	
C6810	Giant LED Traffic Light Kit	16		10.75	
C6815	Bright Star Color Organ Kit	19		11.50	
C6818	Exploding Star Color Organ Kit	19		25.75	
C6819	25 in 1 Magnetism Exploration Lab	11		33.25	
C6825	Super LED Chaser Kit - Red	18		6.95	
C6826	Super LED Chaser Kit - Green	18		6.95	
C6827	Super LED Chaser Kit - Yellow	18		6.95	
C6828	Super LED Chaser Kit - Super Bright Red	18		7.25	
C6829	Super LED Chaser Kit - Super Bright Grn	18		7.25	
C6836	Additional Solder Practice Parts	22		28.50	
C6840	Aggravator Kit	30		9.25	
C6841	Sci-Fi Sound Theremin Kit	35		13.25	
C6845	Learn to Solder Robot Kit	14		13.75	
C6853	10 in 1 Solar Exploration Lab	6		38.95	
C6861	SMD Flashing Initials Kit	13		20.50	
C6864	Learn to Solder Rocket Kit	14		13.75	
C6876	Grab the Gold Game Kit	26		13.75	
C6878	Chirp Chirp Kit	36		6.95	
C6880	4 in 1 Package A Solder Kits	25		24.25	
C6881	4 in 1 Package B Solder Kits	25		23.50	
C6891	Blinder LED Flasher Kit	17		7.75	
C6893	Cosmic Popper Kit	30		9.50	
C6894	Gravity Detector? Kit	30		13.95	
C6898	Introduction to Kit Building	32		44.50	
C6902	Unstoppable Bug Robot Kit	20		26.75	
C6908	Temperature Warning Kit	37		8.25	
C6912	Red White & Blue Star Strobe Kit	WEB		17.50	
C6919	Brilliant 3D White Cube Kit	16		44.75	
C6923	Flashing Arrow Kit	18		8.75	
C6927	Racing Robot Learn to Solder Kit	21		21.95	
C6934	4 in 1 Package "C" Solder Kits	25		23.25	
C6935	4 in 1 Package "D" Solder Kits	25		24.50	
C6936	Electro Spinner Kit	19		20.75	
C6944	Bulk Brilliant Blinker Kit (Pkg 25)	22,23		153.50	
C6945	Brilliant Red & Blue SMD Flasher Kit	13		8.25	
C6953	Ultra-Bright RGB LED Flasher Kit	24		12.25	
C6955	Rock Star Kit	18		21.50	
C6958	Customizable Brilliant Blinker Kit	22		6.95	
C6959	Magical LED Learn to Solder Robot Kit	14		12.50	
C6972	Learn to Solder 9V Battery Tester Kit	15		13.25	
C6973	Unfiltered Blacklight Strobe Kit	33		15.75	
C6984	Little Jitterbug Robot Kit	20		9.25	
C6987	Jam Man Kit	31		32.95	
C6994	4 in 1 Package "E" Solder Kits	25		25.95	
C6995	Tiny Strobe Light Kit	33		14.25	
C6996	TOL Kit	37		29.25	
C7012	Electric Slider LTS Robot Kit	15		15.75	
C7019	Adj Flashing Bright Light LED Kit	18		7.25	
C7041	Solar House "Green Energy" Lab	10		66.25	
C7045	Ultimate Learn to Solder Kit	15		10.50	
C7049	Light Spider Robot II Kit	20		18.25	
C7058	Guitar Practice Amp Kit with Case	36		28.00	

Column B Total

CHANEY ELECTRONICS QUICK ORDER FORM

Modified - 7/21/26

FAX US: (480) 451-9495
CALL US: 1-800-227-7312

Stock#	Description	Pg#	Qty.	Cost	Total
C7074	Samurai Koji Kit	21		13.25	
C7075	"Flash" The Robot Kit	17		13.25	
C7084	Shaky Jake's Steady Kit	27		17.50	
C7089	21 in 1 Electronic Discovery Kit	7		25.95	
C7098	The RoboNote Kit	30		14.25	
C7407	Microcontrolled Digital Clock Kit	32		32.50	
C7410	3 in 1 Sportscar Racer Kit	21		16.50	
C7411	Super Capacitor BreadboardRacer	21		21.95	
C7415	Deluxe Homopolar Motor Kit	22		9.95	
C7416	Dragonfly & Magical LED Kit	12		11.50	
C7417	Galactic Transmitter Kit	12		11.95	
C7601	Learn to Solder Flashing Star	24		16.25	
C7602	Thermoelectric Demo Kit	38		15.75	
C7603	Learn to Solder Shark	21		5.95	
C7604	Learn to Solder Clown Fish	21		5.95	
C7605	Learn to Solder Angler Fish	21		5.95	
C7606	Learn to Solder Cactus	17		6.95	
C7800	The Atom PP Course	38		29.95	
C7801	Current, Voltage & Resistance PP	38		29.95	
C7802	Ohm's Law PP Course	38		29.95	
C7803	Resistor Color Code PP Course	38		29.95	
C7804	Components Identification PP Course	38		29.95	
C7805	Learn to Solder PP Course	38		29.95	
C7806	All Six PP Training Courses	38		159.95	
C8100	(Pkg 25) Blinder Kit Bulk	17,23		159.95	
C8101	(Pkg 25) Phasor Sound & Light Kit	31		178.50	
C8102	(Pkg 25) Chirper Kit Bulk	31,23		157.50	
C8103	(Pkg 25) TOWS Kit Bulk	31,23		166.95	
C8104	(Pkg 25) Jitterbug Kit Bulk	20,23		199.00	
C8106	(Pkg 25) Chaser Kit Bulk	18,23		148.75	
C8107	(Pkg 25) Alien Robot Kit	17,23		225.25	
C8108	(Pkg 25) IR Control Spinner Kit	32,23		209.50	
C8109	(Pkg 25) Magic Christmas Tree Kit	23		167.95	
C8110	(Pkg 25) Cosmic Popper Kit	30,23		187.95	
C8111	(Pkg 24) Homopolar Motor Kit	22		223.75	
	PARTS/SUPPLIES				
C6363	TYPE 1 PLASTIC BOX	39		3.45	
C6364	TYPE 2 PLASTIC BOX	39		4.50	
C6365	TYPE 3 PLASTIC BOX	39		5.50	
C6366	TYPE 4 PLASTIC BOX	39		6.25	
C6367	TYPE 5 PLASTIC BOX	39		6.50	
C6500	(100) Standard 5mm Red LEDs	Web		15.00	
C6501	(100) Standard 5mm Green LEDs	Web		15.00	
C6502	(100) Standard 5mm Yellow LEDs	Web		15.00	
C6504	2N3904 Transistor(100)	38		23.00	
C6505	2N3906 Transistor(100)	38		23.00	
C6511	Side Cutting Pliers	39		6.50	
C6512	Needle Nose Pliers	39		6.50	
C6513	SMD Tweezer Magnifier	38		6.00	
C6515	Super LED Assort (Pkg 100)	38		8.25	
C6539	9V Battery Snap (Pkg 100)	38		46.00	
C6544	555 Timer IC (Pkg 10)	38		5.75	
C6620	4 X 6 Base Type A	39		5.75	
C6621	4 X 7 Base Type B	39		6.00	
C6622	6 X 8 Base Type C	39		6.75	
C6623	5 X 10 Base Type D	39		7.00	
	PARTS/SUPPLIES CONT.				
C6650	Solder-Handy Tube Rosin Core	39		4.50	
C6651	Handy Solder Wick	39		4.00	
C6652	30Watt Pencil Soldering Iron	39		9.95	
C6694	Soldering Helping Hands	39		10.25	
C6831	Bag of Parts	38		10.00	

Column C Total

Stock#	Description	Pg#	Qty.	Cost	Total
C7113	Large Universal Breadboard	38		10.00	
C7272	Deluxe Digital Soldering Station	39		89.95	
C7329	R.O.H.S Solder	39		3.00	
G20083	(12) Workaholic 9V Alkaline Battery	38		34.00	
G22665	Mystery Surprise Box	38		6.95	
G22784	Vari. Temp. Soldering Iron Station	39		39.95	
G23903	Deluxe USB Solar Panel	Web		8.95	
G27153	Digital Multimeter	38		24.95	
G28911	Inventors Surprise Box	38		9.95	
	ADD PRODUCTS BELOW				

ORDERING **CALL: 1- 800-227-7312 / FAX: (480) 451-9495**

PAYMENT METHODS: We accept American Express, Discover, Mastercard, Paypal, Visa, Money Orders, and School Checks.

We accept Open Account Purchase Orders from schools in good standing with our Credit Department. Terms are NET 30.

All Purchase Orders must be authorized by the School District, email Info@ChaneyElectronics.com for information.

SHIPPING CHARGES, RETURNS AND REPAIRS
Please see detailed return and repair policy on our website:

www.ChaneyElectronics.com

Column D Total

TO ORDER: 1-800-227-7312 • FAX: (480) 451-9495

24 Hour FAX Line	CHANEY ELECTRONICS	CALL TOLL FREE
1-480-451-9495	P.O. BOX 4116 SCOTTSDALE, AZ 85261 Office: 1-480-451-9407	8:00 AM - 4:00 PM M-F (Arizona Time) 1-800-227-7312

School Name _____

Teacher Name _____

Address _____

City _____ State _____ ZIP _____ Phone _____

Purchase Order #:

- ☐ Check/Money Order
- ☐ VISA/Mastercard
- ☐ AMEX
- ☐ Open Account (Schools Only)

PO# _____

PLEASE INDICATE METHOD OF PAYMENT

Credit Card Information

Card Number _____ Exp Date _____ CVC _____

Card Holder Name (Please Print): _____

Billing Address for Card: _____

City _____ State _____ Zip _____

To facilitate the selection of our products, we have designed a **QUICK CHECK ORDER FORM** for you to use when placing an order. Each product that we sell is listed on the **QUICK CHECK ORDER FORM** located on page 40-41. Since we have over 220 kits and many more parts and supplies, we recommend using this form to keep track of what you want. Please fill in the boxes below to complete your order.

Take the Total from each Column on the QUICK CHECK ORDER FORM on page 40-41 and enter the amounts in the appropriate boxes.

	TOTAL COLUMN A
	TOTAL COLUMN B
	TOTAL COLUMN C
	TOTAL COLUMN D

Add the totals from each column box above to get the subtotal

	SUBTOTAL (minimum $25)
	TAX (AZ SCHOOLS ONLY)
	SHIPPING CHARGES
	RUSH CHARGES ☐ 1 DAY ☐ 2 DAY
	GRAND TOTAL

Please add 7% of subtotal to estimate the shipping cost. Exact shipping charges are determined based on weight and distance of your order. Please call for a quote if you need an exact shipping amount.

For special express service charges, see the center box on page 2.

MINIMUM ORDER $25.00

Add total plus tax (if applicable) and shipping charges to come up with the Grand Total.

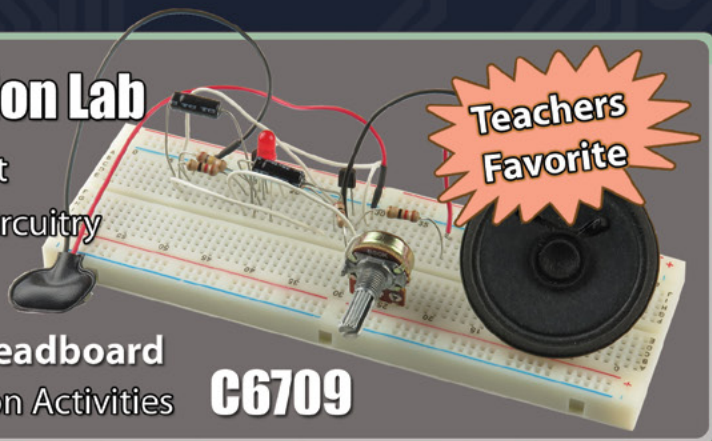
Please Remember:

1. There is a **minimum order of $25.00**.
2. We **ship** most orders within 24-48 hours.
3. Phone orders **must** be placed by the Teacher, Purchasing Agent, or Administrative Personnel.
4. To order by phone, use our Toll Free Number: **1-800-227-7312**.
5. For **Technical**, **Billing**, **Shipping**, or any other Questions, call **(480) 451-9407**.
6. Any technical questions must be made by the Teacher. ***Please do not have students call.***

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33 in 1 Deluxe Electronic Exploration Lab

A great introduction to Ohm's Law, Electromagnet Circuitry, Motor Circuitry, Transistor Circuitry, IC Circuitry and 7 Segment Display Circuitry - All In One Kit!



NO Soldering Required - 100% Reusable Breadboard

Instructional Experiments - Electronic Construction Activities

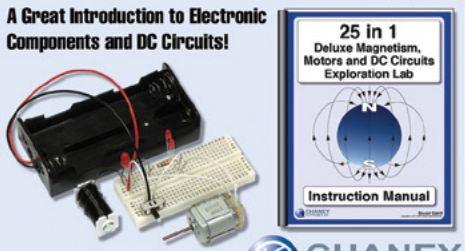
C6709

Our 9 Exciting Labs are not only fun and educational, they are one of the most economical reusable ways for beginners through advanced students to study and learn electronic concepts! Labs start on Page 4.

C6819
25 in 1 Deluxe Magnetism, Motors and DC Circuits Exploration Lab

100% Re-Useable

A Great Introduction to Electronic Components and DC Circuits!



NO Soldering Required!

CHANEY ELECTRONICS, INC.

C7089
21 in 1 Electronic Discovery Lab

Discover Electronic Circuitry Through:
Electronic Components and Fun Functional Projects!



Lab Includes:
- All Electronic Components
- Detailed Color Manual
- Operational Theory, Schematics & Instructions for each project

100% Re-Useable

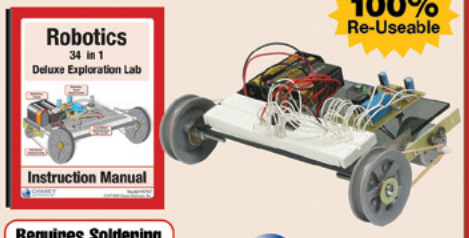
No Soldering Required

CHANEY ELECTRONICS, INC.

C6762
34 in 1 Deluxe Robotics Exploration Lab

A Great Introduction to Robotics

100% Re-Useable



Requires Soldering and Assembly

CHANEY ELECTRONICS, INC.

C6763
44 in 1 Communications and Opto-Electronics Deluxe Exploration Lab



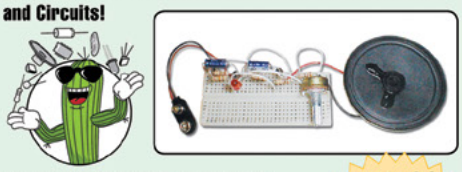
100% Re-Useable

Requires Soldering and Assembly

CHANEY ELECTRONICS, INC.

C6709
33 in 1 Deluxe Electronic Exploration Lab

A Great Introduction to Electronic Components, Theory and Circuits!



Introduction to Ohm's law, electromagnet circuitry, motor circuitry, transistor circuitry, IC circuitry and 7 segment display circuitry all in one kit!

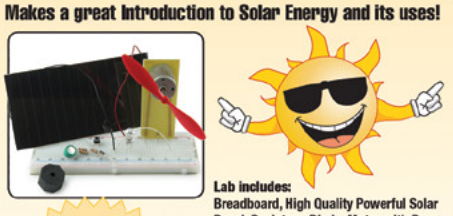
100% Re-Useable

NO Soldering Required!

CHANEY ELECTRONICS, INC.

C6853
10 in 1 Solar Energy Exploration Lab

Makes a great Introduction to Solar Energy and its uses!



100% Re-Useable

Lab includes:
Breadboard, High Quality Powerful Solar Panel, Resistors, Diode, Motor with Prop, Electronic Buzzer, Flashing LED, Super Capacitor and Wires

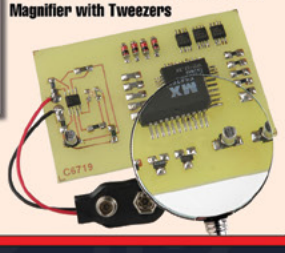
NO Soldering Required!

CHANEY ELECTRONICS, INC.

C6725
Introduction to Surface Mount Technology



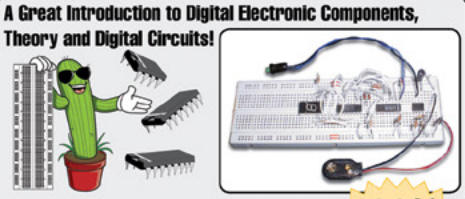
Lab Includes:
Detailed Instruction Manual
Identification Parts (both SMD and Standard)
"C6719 Deluxe SMD Learn to Solder Kit"
Magnifier with Tweezers



100% Re-Useable

C6721
35 in 1 Deluxe Digital Exploration Lab

A Great Introduction to Digital Electronic Components, Theory and Digital Circuits!



Learn about topics such as Boolean Algebra, Timing Diagrams, Frequency and Duty Cycle Formulas, Integrated Circuits, Logic Gates and more!

100% Re-Useable

NO Soldering Required!

CHANEY ELECTRONICS, INC.

C7041
54 in 1 Solar House "Green Energy" Lab

A Great Introduction to Solar Energy and Methods for Reducing Energy Usage.

Lab Features:
27 Chapters
18 Experiments
12 Activities



NO Soldering Required!

CHANEY ELECTRONICS, INC.

100% Re-Useable

CHANEY
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