

ELECTRONIC SNAP CIRCUITS

BUILD EXCITING PROJECTS

AGES 8 & UP

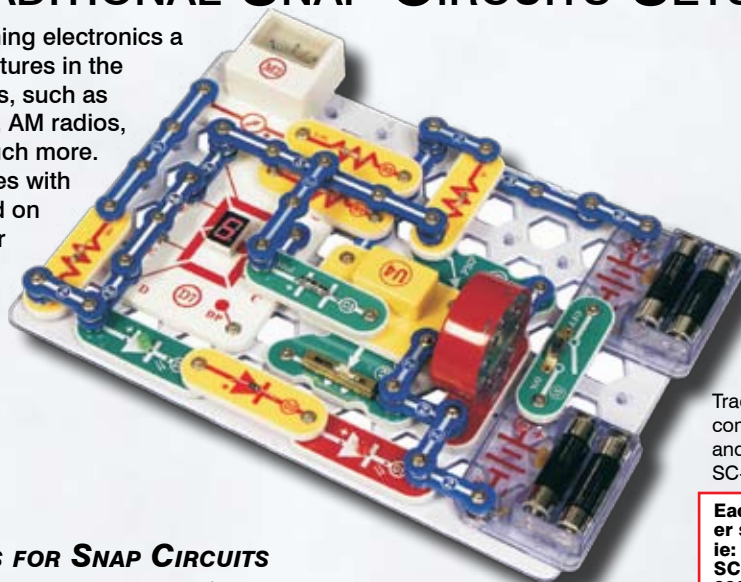
TRADITIONAL SNAP CIRCUITS SETS

Elenco's Snap Circuits make learning electronics a "snap". Just follow the colorful pictures in the manual and build exciting projects, such as FM radios, Digital voice recorders, AM radios, Burglar alarms, Doorbells, and much more. You can even play electronic games with your friends. All parts are mounted on plastic modules and snap together with ease. Enjoy hours of educational fun while learning about electronics.

Go online to www.acsupplyco.com to view complete manuals included in the Snap Circuits sets, and sample pages from Student and Teachers guides!

No tools required.

Uses "AA" batteries or AC Adaptor (sold separately below.)



Traditional Sets come with handy compartmentalized storage box and instruction manuals! SC-300 box and manuals shown

Each larger set includes smaller sets projects and more, ie: SC500 can build all the SC100 and SC300 projects and 200 more!

AC ADAPTOR, AA BATTERIES FOR SNAP CIRCUITS

ELEACSNAP MSRP \$34.95 **\$19.95**
EVEAA4 Eveready Energizer Alkaline 4pk MSRP \$5.89..... **\$3.49**

ALL STANDARD SETS COME WITH THE DURABLE 7.75" X 11" PLASTIC "SNAP" CIRCUIT BOARD!

SNAP CIRCUITS JR.

Model SC-100

Learn the basics of electronics. Build projects that make sound effects, different types of alarms, touch circuits and games. Contains over 30 parts including photo resistor, music IC, motor and space war IC.

Build over 100 exciting projects including Flying saucer, Spin draw, sound activated switch, alarm circuit and more.

Requires 2AA batteries or AC adaptor (not included)

ELESC100 MSRP \$39.99 **\$23.99**

SNAP CIRCUITS

Model SC-300

Standard version - In this version the builder learns how capacitors function and how to make time delay circuits. In addition this version includes circuits showing how oscillators and photo sensors work. Contains over 60 parts including two transistors, microphone, power amplifier IC, and variable capacitor.

Build over 300 projects including AM radio, radio enhancer, lie detector, and burglar alarm.

Requires 4AA batteries or AC adaptor (not included)

ELESC300 MSRP \$64.99 **\$40.99**
12+ **\$38.99**

Model SC-300S

Standard version w/computer interface (ELESCI73 shown on page 37). Same as SC-300 but adds 73 computer interfaced experiments.

ELESC300S MSRP \$99.99..... **\$59.95**

SNAP CIRCUITS PRO

Model SC-500

Pro version - In this version you learn how 7 - segment displays, meters, relays, transformers and diodes work. There is even a recording IC included.

Contains over 75 parts including recording IC, FM module, transformer, analog meter.

Build over 500 projects including FM radio, adjustable light control, digital voice recorder, and AC generator.

Requires 4AA batteries or AC adaptor (not included)

ELESC500 MSRP \$98.99 **\$61.95**
6+ **\$58.95**

Model SC-500S

Pro version w/computer interface (ELESCI73 shown on page 37). Same as SC-500 but adds 73 computer interfaced experiments

ELESC500S MSRP \$146.99 **\$87.95**

SNAP CIRCUITS EXTREME

Model SC-750

Extreme version - This version is packed with over 750 experiments including 73 computer interfaced experiments. The builder will learn about electromagnets, solar powered experiments, and vibration switches in addition to what all other previous versions have to offer!

Contains over 75 parts including solar cell, electromagnets, vibration switch, and computer interface.

Build over 750 projects including strobe light, transistor AM radio, electromagnetism and rechargeable battery. Includes computer interface that turns your computer into an oscilloscope (over 73 pc interfaced experiments).

Requires 4AA batteries or AC adaptor (not included)

ELESC750 MSRP \$133.99 **\$83.95**
6+ **\$79.95**

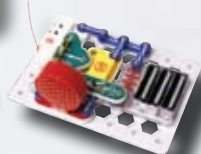
MINI KITS



Musical Recorder

Records up to 8 seconds. Plays music after your recording.

ELESCP01
MSRP \$27.95 **\$16.83**



FM Radio

Have fun building this kit and tune to your favorite station when finished.

ELESCP02
MSRP \$ 27.95 **\$16.83**



Motion Detector

Whenever somebody walks in front of the motion detector, the sound of a laser comes out of the speaker and the red light flashes.

ELESCP03
MSRP \$27.95 **\$16.83**



Flying Saucer

Press and release the switch and watch the saucer rise into the air.

ELESCP06
MSRP \$19.95 **\$11.91**



Water Clock

Build a digital clock that runs on tap water or other household materials like fruit juice and cola.

ELESCP07
MSRP \$19.95 **\$11.91**



Electromagnetism

Compare an electromagnet to a normal magnet

ELESCP08
MSRP \$19.95 **\$11.91**

ELECTRONIC SNAP CIRCUITS

BUILD EXCITING PROJECTS



Ages 8 & up!

SNAP CIRCUITS Micro-controller set
visit www.acsupplyco.com for details!

SNAP CIRCUITS EDUCATIONAL SETS

These Snap Circuit Training Programs (SC100R, SC300R, SC500R and SC750R) are an in depth exploration of the electronic components in the Snap Circuit sets! Ideal for use in home schooling, middle schools, and high schools, where students will grasp the basic principles of electronics!

Go online to www.acsupplyco.com to view the complete manuals included in the Snap Circuits sets and sample pages from Student and Teachers guides!

Each Snap Circuits Educational Set comes complete with project manuals, student training guides and plastic storage case. SC300R, SC500R and SC750R come with Heavy duty black storage case with shock absorbing foam inserts as shown below. SC100R come with clear plastic compartmentalized storage box not shown! Teachers guide included with SC100R, SC300R, SC500R and SC750R!



SC-500R
pictured!



SC500 manuals, student guide
and teachers guide shown!

Teachers Guide

The Teachers guide is meant to prepare educators for proper introduction of Snap Circuits and guide them through each chapter with quizzes for students to test their knowledge.

TG-100 Teachers guide for SC100 - SC750 MSRP \$11.99 **\$6.95**

Student Training Guides

The same student guides included in the 300R, 500R or 750R!

ELESTG300 Student training guide for SC300 MSRP \$17.99 **\$9.95**

ELESTG500 Student training guide for SC500 MSRP \$34.49 **\$18.95**

ELESTG750 Student training guide for SC750 MSRP \$47.99 **\$27.95**

Hard plastic Storage case with foam inserts shown comes with SC-300R, SC-500R and SC750R. Note: The SC100R comes with durable compartmentalized clear plastic storage box, not similar to one above.

SNAP CIRCUITS JR.**STUDENT TRAINING PROGRAM****Model SC-100R**

The Model Contains over 30 parts. Build over 100 projects. Includes Project Book, Student Guide, Teachers guide and plastic parts organizer box!

Requires 2 AA Batteries or AC Adaptor (not included)

ELESC100R MSRP \$54.99 **\$35.95**

6+ **\$32.95**

SNAP CIRCUITS**STUDENT TRAINING PROGRAM****Model SC-300R**

Contains over 60 parts. Build over 300 projects. Includes 2 Project Books, STG300 Student Guide, teachers guide and black plastic storage case shown below!

Requires 4 AA batteries or AC Adaptor (not included)

ELESC300R MSRP \$115.99 **\$69.95**

3+ **\$65.95**

SNAP CIRCUITS PRO**STUDENT TRAINING PROGRAM****Model SC-500R**

Contains over 75 parts. Build over 500 projects. Includes 3 project books, student guide, teachers guide and black plastic storage case shown below!

Includes STG-500 student Guide.

Requires 4 AA batteries or AC Adaptor (not included)

ELESC500R MSRP \$157.99 **\$96.99**

3+ **\$93.99**

SNAP CIRCUITS EXTREME**STUDENT TRAINING PROGRAM****Model SC-750R**

Contains over 80 parts. Build over 750 projects. Includes 3 project books, Stg750 student guide, Computer Interface CI73 and storage case shown below! Teachers guide included.

Requires 4 AA battery or AC Adaptor (not included)

ELESC750R MSRP \$209.99 .. **\$127.95**

3+ **\$124.95**

**PLASTIC STORAGE CASE WITH FOAM INSERTS**

Made out of heavy gauge durable plastic. Store your Snap Circuits for use over and over with the ultimate in protection. Comes with shock absorbing foam liner that is marked for every part in the respective set. The same case the SC300R, SC500R or SC750R comes in.

ELEBX750 Plastic storage case for SC300, 500 or SC750 or R versions..... MSRP \$79.49 **\$49.96**

SNAP CIRCUITS UPGRADE KITS.

All parts and manuals included to upgrade sets shown. Note: Student training guides not included in any upgrade kits!

ELEUC30 Upgrade kit SC100 - SC300 MSRP \$49.95 **\$29.95**

ELEUC40 Upgrade kit SC100 - SC500 MSRP \$79.95 **\$49.95**

ELEUC50 Upgrade kit SC300 - SC500 MSRP \$49.95 **\$29.95**

ELEUC60 Upgrade kit SC100 - SC750 MSRP \$112.95 **\$69.95**

ELEUC70 Upgrade kit SC300 - SC750 MSRP \$79.95 **\$49.95**

ELEUC80 Upgrade kit SC500 - SC750 MSRP \$49.95 **\$29.95**

Computer Interface Details: Electronic engineers use specialized test equipment to "see" electronic signals and make performance measurements. They use an oscilloscope to look at the waveform of the signal in time and use a spectrum analyzer to look at its frequency content. This equipment is specialized and usually very expensive. The included winscope software simulates this equipment using your personal computer. The PC-interface cable can be connected across any 2 points in your circuit to look at the signal.

Computer requirements: PC - Windows 95 or later - A working microphone input jack. **ELECI73** MSRP \$32.99 **\$19.95**

ELECTRONIC SNAP CIRCUITS

BUILD EXCITING PROJECTS

CLASS SETS ON THE PREVIOUS PAGES!

New



Snap Circuits LIGHT

Watch and be amazed at what your music can do with the new Snap Circuits® LIGHT. Connect your iPod® or any MP3 player and enjoy your music as the lights change to the beat. The strobe light with spinning patterns will amaze you with its visual effects.

Elenco's Snap Circuits® makes learning electronics easy and fun! Just follow the colorful pictures in our manual and build over 175 exciting projects. All parts are mounted on plastic modules and snap together with ease. Enjoy hours of educational fun while learning about electronics.

Contains over 55 parts to build more than 175 projects.

No Tools required.

Features:

- Infrared Detector
- Strobe Light with spinning patterns
- Color Changing LED
- Glow-in-the-Dark Flying Fan
- Strobe integrated circuit (IC)
- Fiber Optic communication
- Color organ controlled by iPod® or other MP3 player, voice or finger

ELESCL175 MSRP \$79.95 **\$53.23**

New

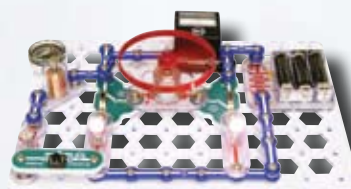


Snap Circuits XP

BUILD YOUR OWN MICROCONTROLLER

The ultimate Snap Circuits® eXperience! A great introduction to micro-controllers and how they are used in the world around us. It can be as easy as snapping circuits together and downloading our programs, or you can write your own programs using Basic or flowcharts. Includes over 100 projects and over 50 parts.

ELESCXP50 MSRP \$99.95 **\$65.34**



SNAPTRICITY

Learn how electricity and magnetism can be used to make each other. Learn about magnetic fields, how the electricity in your home works, how switches control the electricity in your home, and how series and parallel circuits affect electricity.

FEATURES

- Includes: meter, electromagnet, motor, lamps, switches, fan, compass, and electrodes.
- Educational toy: projects that relate to electricity in the home and magnetism and how it is used.
- Build over 75 projects
- Over 40 parts.

ELESCBE75 MSRP \$43.95 **\$26.99**

Snap Circuits "GREEN"



GREEN ALTERNATIVE ENERGY KIT

Learn about energy sources and how to think "GREEN". Build over 125 projects, using the flexibility of Elenco's award-winning snap circuits. You will have loads of fun learning about environmentally - friendly energy and how the electricity in your home works.

includes full color manual with over 100 pages and separate educational manual. This educational manual will explain all the forms of environmentally-friendly energy including: geothermal, hydrogen fuel cells, wind solar, tidal, hydro, and others.

Contains over 40 parts.

FEATURES: hand crank, solar cell, FM radio, energy compartment, rechargeable battery, windmill, clock, analog meter and more.

ELESCG125 MSRP \$79.95 **\$49.87**

Snap Circuits RADIO CONTROL ROVER 10

Have fun building your own RC Snap Rover using colorful Snap Circuits parts that come with this kit. There is no soldering required as all parts SNAP together with ease. Once completed you will be able to navigate your surroundings with easy-to-use Snap Rover remote control. You can even have up to 3 Rovers at the same time.

- Full-color assembly manual with over 20 projects
- Includes over 30 parts
- Build over 20 varieties of the Rover
- Left and right turning control
- Cover night missions using the headlight and red and blue side lights
- Sound FX
- Colorful moving gears

ELESCROV10 MSRP \$90.49 **\$54.95**

ROVER 10 TO ROVER 50 UPGRADE

ELESCUC90 40 projects including disc shooter MSRP 63.99 **\$38.95**

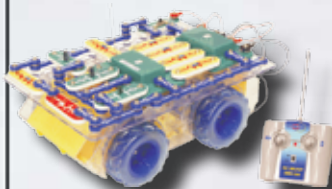
Snap Circuits DELUXE RADIO CONTROL ROVER 50

Model SCROV-50

Introducing the next generation of the RC Snap Rover! This version includes a disc shooter, digital voice recorder, and music sounds. Over 50 parts allows you to complete over 40 additional projects

- Disc Shooter with 15 foam discs
- Digital Voice Recorder
- Music Sounds
- Build over 60 projects.
- Over 50 parts
- all parts snap together with ease
- Left and right turning control
- Watch colorful gears move
- Goes forward and backward
- Headlight
- Red and blue side lights.
- Wireless 27mhz multi-channel remote control
- Run up to 3 Deluxe Rovers at once
- no soldering required

ELESCROV50 MSRP \$124.99 **\$77.88**



Go online for Rover 10 or Rover 50 manual at www.acsupplyco.com!





No soldering required

The Movit line is a series of computerized battery robot kits that can teach the basic principles of robotic sensing and locomotion. Each of the kits features pre-assembled PC boards, hardware and mechanical-drive systems that can be handled by almost anyone from ages 10 and up. Only basic hand tools are required for assembly. These fascinating robots allow you to experience and learn any one of the following features: sound sensor, remote control, infrared sensor, wired control and/or programmable memory.



3 IN 1 ALL TERRAIN ROBOT

The OWI-536 All Terrain 3-in-1 RC Robot Kit - ATR - non solder is a multi-function tracked mobile robotic kit. Utilize different track modules and make your robot transform into 3 amazing variations: the forklift, rover, and gripper. Using the remote wired controller, command the robot to move forward, backward, turn, grip and lift.

In forklift mode, the ATR is like a mini industrial fork lift, with the ability to lift up to 100g in weight. In rover mode, the ATR's tank-like treads can traverse any type of surface. And in gripper mode, the ATR's strong arms grab and pull objects into its grasp, lifting anything up to 100g and moving it to your desired location.

This kit allows students to create and recreate: Put it together, take it apart, make another module. It's all about flexibility, and intelligent thinking. But luckily, kids don't have to be robotics engineers to create and achieve. With the 3-in-1 All Terrain Robot, they learn as they play.

OWI536 MSRP \$82.99 **\$49.69**



MOONWALKER II

(Sound and light Sensor)

Moon Walker II has combined the technology of two sensors. Moon Walker II begins to walk when it detects a change in light intensity or sound commands, and continues its four-legged voyage until instructed by an internal timer to stop.

Power source: (1) AA 1.5 battery (not included)

Power voltage DC 1.5V See pg 40 for batteries.
MV979 MSRP \$66.99 **\$39.99**

Sumo Robot (Infrared Sensor)

Now OWIKit brings the Sumo tradition to your classroom. The Super warrior, Sumo Robot, can be controlled to assail and overpower its opponent or retreat to prepare for battle. An infrared sensor beam is emitted when detecting an opponent. Upon detection, it instructs the brain of SUMO to "charge", thereby creating a bonafide wrestling match.

Movement: 2 tractor style wheels powered by 1 DC motor. Control: Infrared sensor/detectable range: approx 350 mm (max) (requires 4 AA batteries not included) See pg 40 for batteries.

OWI9647 MSRP \$86.99 **\$52.79**



CURRICULUMS

OWIRETC Technology curriculum MSRP \$123.99 **\$74.95**
OWIELEM-2 Elementary Technology Curriculums MSRP \$49.99 **\$29.95**

www.acsupplyco.com



ROBOTIC ARM Edge

Command the gripper to open and close, wrist motion of 120 degrees, an extensive elbow range of 300 degrees, base rotation of 270 degrees, base motion of 180 degrees. Vertical reach of 15", horizontal reach of 12.6" and lifting capacity of 100g. Wow, some of the added features include a search light design on the gripper and a safety gear audible indicator is included on all 5 gear boxes to prevent any potential injury or gear breaking during operation. Total command and visual manipulation using the "5's" five switch wired-controller, five motors, and five joints

Power source: (4) D batteries (not included).

OWI535 Robotic Arm Edge MSRP \$79.95 **\$44.99**

ROBOTIC ARM Edge USB INTERFACE

Have real time manual control of the robotic arm and program the arm to perform a sequence of movements

OWI535USB USB interface for Robotic Arm Edge MSRP \$74.59 **\$35.40**

ROBOTIC ARM Edge CURRICULUM

This CD curriculum provides multiple step-by-step activities and experiments for the Robotic Arm Edge robot in both manual and computer control modes. Students are challenged to measure and record robot specifications, perform experiments, solve problems, record data, reflect about their activities and answer questions in each robot lab activity. Using the site license that comes with the product, directions may be read off a computer screen or made into printed masters and copies. This curriculum when combined with the Robotic Arm Edge creates numerous and flexible educational opportunities for students. Answer keys provided. This is a flexible robotics curriculum for individual student use, home schools, science museums, and schools.

CD is Mac and PC compatible.

OWIEXP535 Curriculum for Robotic Arm Edge MSRP \$44.59 **\$27.99**



HYPER PEPPY (Touch - Sound Sensor)

Explore the fundamentals of robotics with this informative and entertaining robot kit. Appropriate for ages 10 and up, Hyper Peppy is an intelligent robot with a touch/sound sensor. If it comes in contact with an object or hears a loud noise (such as hands clapping), Hyper Peppy automatically reverses, then turns left before embarking on a new course.

Hyper Peppy is lots of fun from the moment it arrives. Requiring only basic hand tools, the kit contains complete step-by-step instructions, pre-assembled printed circuit board, condenser microphone, and an easy-to-assemble mechanical drive system. It's an ideal gift for the hobbyist or budding scientist.

The Institute for Childhood Resources has selected Hyper Peppy robot kit as Dr. Toy's "Top Ten Creative Products" winner and "100 Best Children's Products" winner. Dr. Toy says, "A sure fire winner for a new adventure for a parent and child to do together." Also, it has been selected by the American Specialty Toy Retailing Association as "Top 10 Toys to Rival Computers".

Requires 2xAA Batteries (not included)

OWI969 MSRP \$54.95 **\$38.92**

AmeriKit Soldering Kits



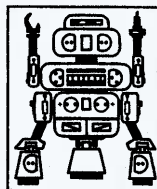
DIGITAL ROULETTE

Sure winner with your friends.
32 LEDs as arranged in a 5" circle
(9v battery required).
ELEAK300 MSRP \$25.99 **\$15.64**



MOTION DETECTOR

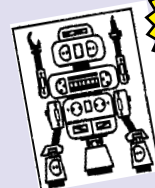
Learn the basics of motion detector technology while building this motion detector kit that uses infrared sensor. Use as a burglar alarm, message minder, room detector or entry to home or business (9v battery required).
ELEAK510 MSRP \$25.99 **\$15.64**



LED ROBOT BLINKER

You'll have fun displaying the PC Board robot. Learn about free running oscillators (9v battery required).
ELEAK400 MSRP \$12.37 **\$7.42**

BLINKY CIRCUIT BOARD ONLY
Circuit bd only for our robot blinker.



FREE
Circuit bd
sample

ELEK17BD MSRP \$3.39 **\$2.54**
100 + **\$2.25**



FM Mic

Transmit your voice on any FM radio.
Range up to 100ft. Case Included.
(2 AA batteries required).
ELEAK710 MSRP \$20.99 **\$12.14**



SOLDER PRACTICE

Learn soldering techniques and build flashing European type siren
(9v battery required).
ELEAK100 MSRP \$20.99 **\$12.14**



TELEPHONE BUG

Size of a dime yet transmits both sides of a phone conversation to any FM radio. No Battery needed.
ELEK35 MSRP \$12.37 **\$7.42**



STROBE LIGHT KIT

Strobe lights are used in many places. Airplanes, boats, cameras, special effects and concerts. This kit will teach you how to make your own. With a variable flash rate, this xenon flash tube will produce some amazing effects (2 C batteries required).
ELEAK520 MSRP \$25.99 **\$15.64**

SOLAR KITS & PROJECTS



PHYSICS SOLAR WORKSHOP

Solar Power Technology in Action

In one way or another, almost every form of energy we use originates as energy from the sun. Solar energy directly powers photovoltaic cells and thermal collectors. Indirectly, we get power from plants grown by the sun, oceans heated by the sun, and Earth's weather systems sustained by the sun. Even the energy stored in fossil fuels originated as energy from the sun, captured by plants and animals millions of years ago. Physics Solar Workshop explores the topic of solar energy, focusing on photovoltaic cells. By building 12 models and conducting 30 experiments, you will learn how solar cells transform light into electrical energy, and how motors and mechanical devices can optimize the work done by this energy. You will build different types of vehicles and machines to demonstrate how gears can convert and transform power for different needs. There are 320 parts, which are also compatible with the other kits in our Physics line. The 64-page book offers illustrated instructions for the projects. Developed with Greenpeace® in Germany. Ages 8 and up.

THA 623715 Physics Solar Workshop MSRP \$89.95..... **\$57.95**

BATTERIES

EVEREADY ENERGIZER ALKALINE BATTERIES

We carry only the finest long lasting Batteries. These long lasting Eveready Energizer alkaline batteries outperform other alkaline and all HEAVY DUTY batteries on the market today! Made to last and guaranteed FRESH!

EVEAAA4	Eveready AAA Alkaline 4 pk	MSRP \$5.89	.....	\$3.89
EVEAA4	Eveready AA Alkaline 4 pk	MSRP \$5.89	.....	\$3.49
EVEEC2	Eveready C Alkaline 2 pk	MSRP \$5.99	.....	\$3.99
EVED2	Eveready D Alkaline 2 pk	MSRP \$5.99	.....	\$3.99
EVE92	Eveready 9v Alkaline 2 pk	MSRP \$10.39	.....	\$6.89



6 IN 1 SOLAR KIT

This DIY Solar Kit enables children to assemble the parts and transform them into six (6) different types of motor-driven apparatuses actuated by solar power! Apparatuses include Solar Windmill, Solar Airboat, Solar Helicopter, Solar Robot, Solar Plane, Solar Wheeler.

Includes:

- * 1 Mini Motor
- * 1 Solar Panel
- * 44 pcs. of plastic components
- * Instruction Manual

EDU38006 6 IN 1 Solar Set MSRP \$39.95 **\$19.99**

Triple action Solar Car Amphibious Solar Vehicle



The **Triple Action Solar Car** is an exciting way to demonstrate the use of alternative energy. It features a aerodynamic sports car shell design with a transparent car body that can be painted or left clear to view the inner mechanics, 4 wheel chassis, powerful 1.4 volt - 350 milliampere solar cell, and a multispeed transmission. Parts are removable to create other projects. Comes complete with 1 solar battery.

Requires 1 AA battery (not included).

OWI685	Triple Action Solar Car w/ Solar cell	MSRP \$66.59	.....	\$39.93
EVEAA4	Batteries Eveready AA Alkaline 4 pk	MSRP \$5.89	.....	\$3.49

The **Amphibious Solar Vehicle** introduces the fundamentals of solar power through hands-on experiments. The sun or any intense mobile light can power the included solar battery. A multiple function switch (solar [1.4v, 350 ma] or battery) allows this kit to be energized day or night, indoors or outdoors. The user can explore different types of energy conversion with this land and water vehicle. Learn what materials the solar batteries are made from and the characteristics of solar batteries, advantages, and disadvantages of solar power.

OWI688	Amphibious Solar Vehicle w/Solar cell	MSRP \$66.59	.....	\$39.93
OWI608	Solar Cell 1.7V 400 ma	MSRP \$38.79	.....	\$23.27