

Edmund Scientific Co. makes science fun with **SCIENCE AND OPTICAL PRODUCTS**

Our 'Best-Sellers' Make Perfect Christmas Gifts

SAVE! \$16

Digital Thermometer Shows BOTH Indoor And Outdoor Temperature, Memory For The Day's High And Low!

Now, you'll know at a glance how cold it is, with large, easy-to-read LED readout numbers, both the outside and inside temperature. Thermometer also records high and low readings. F° or C° selectable -40°F to +122°F. Modern Hi-Tech case measures 7 x 3 1/2 x 1 1/2". Easy to mount. Uses 2 "AA" batteries (not incl.). Complete with 10 ft. outdoor probe sensor cord.

Reg. \$46 SB38,038 on sale \$30

The Vortex™...More Than A Money Bank!

Performs spinning tricks and high maneuvers. Drop a coin onto the launching pad. This creates an immense amount of speed, causing the coin to spin around and around until it finally drops to the bottom storage area. "The longest continuous rolling so far is 33 hours, 16 minutes." Challenge your skills, spin the coin back up the tunnel or spin it upside down, plus more. Made of tough polypropylene. Instructions included. SC37,832 \$18.50

250 Assorted Stars That Glow In The Dark Turn Any Wall Or Ceiling Into The Night Sky.

Assortment of 250 luminous stars that glow in the dark on ceiling or wall. You and your friends will enjoy viewing these "stars." They'll light up a room with the beauty of glowing stars and you'll have fun with astronomy. Easy to apply decals glow after exposure to light. Comes with star chart and instructions to recreate the big dipper, Milky Way and the heavens.

SC9521 Package of 250 \$4.50

Young Students Learn The Science Of Metrology With School Balance.

Great tools for introducing younger students to the science of metrology. This balance is economical yet accurate, simple, yet fun to use. Comes with removable buckets/pans, it has a zero adjust mechanism and manual damping. Made of rugged lightweight materials, it's virtually maintenance free, and will perform through years of rough handling.

SC71,168 \$53.00

100 Precision Multi-Colored Cubes, single cube has a volume of one cubic centimeter, displaces a milliliter and has a mass of one gram (Pictured Inset).

SC38,881 \$6.50

Make 75,000 Volts Of Static Electricity With The Wimshurst Electrostatic Generator.

This quality generator demonstrates scientific principles, ideal for use in many chemistry, electricity and physics experiments. Unit consists of two 9 1/2" dia. circular plates which are rotated in opposite direction by a drive belt mechanism. As the plastic discs revolve, a high voltage spark will jump between the electrodes as they are gradually brought together. Static electricity in the Leyden Jar condenser until discharged. Two swinging arm discharges with insulated handles are built-in and unit is mounted on a wooden base. Stands 15" tall. Instructions incl. **WARNING: HIGH VOLTAGE DANGER (Adult Supervision Required).**

SC70,870 \$165.00

Fun And Intriguing! You'll Play For Hours With These Colorful Magnetic Magic Marbles.

Build a mountain or odd geometric patterns with these fascinating, high impact plastic marbles. Each marble has both a negative and positive pole. A challenge to your imagination. Fun for youngsters, adults too!

20 marbles per package.

SC34,968 (Package of 20) @ \$3.95 Ea.
(5 Packages or more) @ \$3.70 Ea.
(10 Packages or more) @ \$3.20 Ea.

Flash Rocks.

Strike them together and see amazing flashes inside the rocks! The source of light is a miniature "lightning flash" that occurs in the quartz material within the rocks. It's nature's Pz effect.

Pack of 3 bags (6 rocks) SC37,474 \$8.75

Projects Miniature Details On Your TV Monitor.

Our miniature breadboard-type CCD B&W camera (1.26" x 1.26" x 0.75" thick) for machine vision, instrumentation and OEM applications can open doors for your creative imagination. Unit features a 3.7mm pinhole lens built into the breadboard assembly. Wired for 9 volt DC input and video output, with an automatic electronic shutter. Field of view is 45° (V) x 60° (H) with 32mm x 32mm dimensions. You can observe miniature details on a TV monitor (not included), from a range of only inches away to up to 15 feet with a 0.3 Lux minimum illumination. Many applications - limited only by your imagination - from home or office security, viewing hard-to-see areas, robotics, machine vision, etc.

SC52,569 \$195.00

Money-Back Guarantee

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Use Visa, MasterCard, Diners Club, Am. Exp., Discover, Carte Blanche or Optima. Call anytime, 24 hours a day. MOST ORDERS SHIPPED WITHIN 48 HOURS

The Hoberman Sphere™ Snaps Together, Transforming A Globe That Expands In Volume 30 Times.

The Hoberman Sphere™ is a unique system of plastic links that snap together easily to form a sphere 10" in dia. which transforms into a 2 1/2 ft. geodesic globe when the outer edges are pulled apart. This is a replica of the 18 foot geodesic sphere on exhibit at the Liberty Science Center. The geometric technology employed in changing a shape and size creates a magical effect. Kit includes parts, pulley for hanging and detailed instructions. No tools required.

Ages 12 to adult. SC52,763 \$89.95

Go Fishing With This Mighty Magnet.

Lift up to 200 lbs. Fun to use around docks and bridges. A "must" for a boat, it helps retrieve metal objects that fall overboard. You'll be amazed at what you pull up. Wt. 2 lbs., measures 4 x 3 1/4 x 3 1/4". Made with a Poly-Vinyl Chloride coating to resist corrosion and chipping.

SC71,135 \$34.95

Can You Tell Which Ball Is A Happy Bouncer, And Which Ball Is Not?

Two seemingly identical black spheres with marked differences in their physical properties. Balls are 3/4" in diameter and have the same density, mass, color and appearance; yet when dropped to the floor one jumps wildly, the other is motionless. Marvelous thought provoker for discrepant event science. Fact sheet on physical and chemical properties plus experiments for classroom use included.

SC39,129 \$3.95/Pair; 10 Pairs or more \$3.50

Have You Ever Seen The Inside Of Your Eye?

Eyescopes are an optical device for looking at the inside of your eye. It's a specially designed diffuser incorporating a parabolic mirror and lens light. Safe and easy to use. A booklet included, describes the various features inside the normal eye, how the iris works, kinds of floaters and fixed objects, how to inspect contacts.

SC33,538 \$29.95

Moon-Blob, It Crawls Out Of Containers And Looks Alive As It Creeps Uphill.

Moon-Blob has unbelievable properties and is fun to play with...it acts alive and looks like a living protoplasm as it defies gravity by crawling up and out of its container. It's dehydrated plastic - just add water to activate it. Completely harmless. Dual pack 2 Packages, SC38,440 \$10.95

Generate Static Electricity With The Static Stick.

Demonstrate the physics principle that opposite charges attract each other and objects with the same charges repel each other. Just slide the fabric sleeve back and forth on the 16" long tube containing styrofoam pellets. This generates static electricity. Watch what happens to the styrofoam beads!

SC52,664 \$3.95

World's Smallest 1/3" CCD Board B&W Camera Offers Challenge For Electronic Hobbyists.

Shown Actual Size!

Add Spectacular Color To Your Home With A Rainbow Light Display.

Our equilateral prism mounted in an attractive high tech position from your window sill and projects the ever-changing rainbow patterns over your walls, ceiling and floor. It's almost like being inside a multi-faceted diamond. Glass equilateral prism is 2" (50mm) long with 1" (25mm) faces. Black plastic mount is 3" x 1 1/4" x 1 1/4".

SC38,400 \$7.95

Radiometer...A Space Age Sphere.

It's fascinating to watch the delicate vanes within this 5" precision-made sphere spin faster and faster illustrating the basic principles of solar heating. When light strikes the vanes it transfers heat and the vanes begin to move. Works from direct sunlight or artificial light. An attractive conversation piece.

SC60,082 \$6.95

Explorabook™...A Science Cookbook from The Exploratorium Science Center.

A hands-on interactive science discovery book/kit features over 100 pages of activities bound right into this beautifully printed spiral book. Mix up agar for a bacteria study, read a cartoon through a Fresnel lens, study optics with a plastic lens and foil mirror and design your own optical illusion with a moiré spinner. Take the touch out of physics! A kids' science museum in a book. Ages 6 and up.

"The best present a child could receive." Robert Edmund.

SC4766 \$17.95

Solar Powered Flying Dragonfly Kit Makes A Great Science Project.

Easy to assemble kit comes complete with two ABS resin molded dragonfly bodies and realistic patterned transparent wings that really move. Both dragonflies are powered by a Solar Battery Panel (Tamiya 0.5 volt 1200 mA) and Solar Motor (Tamiya 02 Type). All components mount onto a stationary plastic stand. Dimensions: length 4.6", width 3.1", height 1.0".

SC52,608 \$48.95

COMPACT LASER POINTER

Our Lowest Price Ever!

NEW! PRICE BREAKTHROUGH \$49.95

Lightweight, Measures Less Than 5.5"

Ideal for lecturers, presentations, educators, instructors, annual meetings and slide shows.

It projects a brilliant red laser dot for focus attention to slide presentations, charts, business and sales meetings at distances up to 150 feet. This compact pen style class IIIa laser pointer is crafted of the finest materials and built to the highest industrial standards. 8 hours continuous battery life, uses 2 "AAA" batteries (included), weighs less than 2 oz. Rated output: 3mW at 675nm. Caution: Laser light, avoid direct eye exposure.

SC52,442 PRICE BREAKTHROUGH! ONLY \$49.95

Illuminating 30X Magnifier-Microscope For Examining Stamps, Coins, etc.

Our new design improves this popular model. Carry it with you everywhere, measures only 5 1/4" x 1 1/4" x 1 1/4". Ideal for critical inspections. Has a built-in light source and optics to let you examine objects 30 times actual size. Features a center focus wheel for precise one-hand operation. Ideal for industrial inspections and hobby applications. Uses 2 "AA" batteries (not included). SC35,001 \$9.50

Edmund Scientific

FREE CATALOG

Our new, revised 120 page full color edition contains over 4,000 products. A fascinating source book for young scientists searching for creative ideas that can be adapted for science fair projects.

WRITE OR CALL FOR YOUR COPY TODAY!

Bat House Kit. Adopt A Bat, And Forget The Myths!

Bats are really harmless and shy creatures. Bats are actually nature's best insect population controllers, eating over 500 insects an hour. As with birds, bats seek refuge in enclosed shelters and sleep during the day. Bats mate in the fall and their infants are born in late June to July. Bats are essential to the ecology. Bat House Kit is easy to assemble, made of wood, nails and instructions included.

SC52,486 \$22.95

Motorized Coin Bank Factory Makes Saving Money Fun.

This bank automatically separates, stacks and counts coins. Just drop in 1 to 15 coins and watch the motor automatically turn on. The conveyor begins to pulse, coins march and pulse as they flip from heads to tails, then magically are stacked and counted into proper columns. Holds full rolls of pennies, nickels, dimes and quarters (\$17.50 total). Requires 1 "C" battery (not incl.). Made in the USA.

SC52,622 \$24.95

Squeeze The Bottle And Hook The Sinker.

A classic science experiment demonstrates the properties of air, named after the scientist Rene Decartes. Air has weight, exerts pressure, and can be squeezed or compressed. The Cartesian Diver demonstrates all three properties. The diver will float or sink in the bottle of water depending on the water level; the water level inside of the diver rises because the pressure squeezes the air into smaller space. Place the Hook into the bottle. Squeeze the bottle and Hook the Sinker!

Pkg. of 2 Divers SC52,665 \$8.25

Watch This Amazing Dinosaur Grow Crystals In Just 30 Minutes!

Grow blue and red "fur" on the back and tail of this Dino™. Measures 5 1/2" long x 2 1/4" high. Non-toxic. Package of 4 Crystal Dinos™

SC52,602 \$5.95

Exciting Books For Science Fair Projects - 700 Science Experiments For Everyone™

New, up-to-date edition of the best known science experiment book in the world. Compiled by science instructors under the auspices of UNESCO in Paris. 251 pages, featuring optical projection, electricity, chemistry, astronomy, magnetism, geology, physiology and more. Describes experiments with easy-to-follow instructions and diagrams.

SC9301 \$13.95

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Our Six Favorite Science Toys That Teach.

Classic science demonstration toys have amazed and intrigued young minds for many generations. You'll have fun and learn scientific demonstrations with them.

- Amazing Flying Bird SC52,380
- Whirling Gyroscope SPECIAL PRICE \$19.95
- Sun Powered Radiometer
- Rainbow Maker
- Space Pet • Fiddle Foam

Demonstrate Various Laser Lighting Effects.

This unique educational kit allows you to demonstrate various laser effects such as diffraction, convergence, divergence and beam shaping. Optics are mounted in hollow bolts which screws into a mounting bezel. This bezel may be cemented directly to the output face of the laser or an adapter (ES exclusive) is provided to accept the kit bezel to a standard 1" - 32 TPI laser bezel already on many lasers. • Broad Beam Slicer • Arc Slicer • Double Slit Diffraction Grating • Random Interference Pattern Generator • Fresnel Lens and Grid Diffraction Pattern Generator • Polarization Device • Diverging Lens • Special Fiber-Optic Cable Attachment. Instructional manual illustrates uses for the devices in kit, plus uses of lasers that teach convection, topography and astronomy to carrying a dropped ceiling. Includes mounting adapter and carrying case.

SC52,562 \$160.00

NEW! The Famous Slinky Toy... Is Now Super Sized!

Extra-long version of the famous slinky toy is an ideal way to demonstrate wave form, wave pulsing, wave propagation and wave action. Expands to over 10 meters.

SC52,480 \$7.95

Watch This Amazing Dinosaur Grow Crystals In Just 30 Minutes!

Grow blue and red "fur" on the back and tail of this Dino™. Measures 5 1/2" long x 2 1/4" high. Non-toxic. Package of 4 Crystal Dinos™

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