



# Nasco Education™

Empowered teachers, engaged students

# Hands-on Science

**60+ new  
products**

Interactive kits &  
lab essentials for  
every topic

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NASCO**

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From lab essentials to convenient science kits only available from Nasco Education — the best resources are right here, with even more available online.

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Visit our Teacher Resource Center to find standards-aligned lesson plans, fun experiments to try in your classroom, and guides to help make buying decisions easier.

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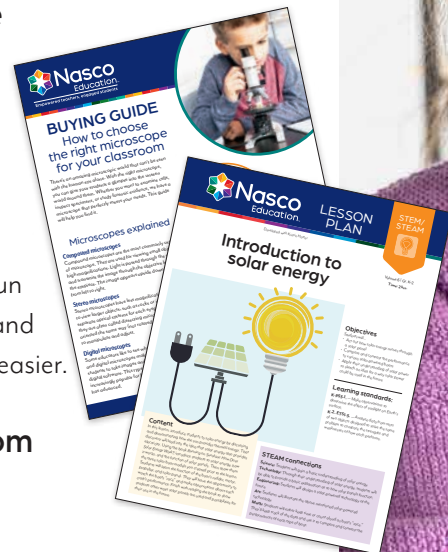
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Roller Coaster Engineering

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### Choking hazard label information

- ▲ **CHOKING HAZARD (1)** WARNING: CHOKING HAZARD — Toy contains a small ball. Not for children under 3 yrs.
- ▲ **CHOKING HAZARD (2)** WARNING: CHOKING HAZARD — Children under 8 yrs. can choke or suffocate on uninflated or broken balloons. Adult supervision required. Keep uninflated balloons from children. Discard broken balloons at once.
- ▲ **CHOKING HAZARD (3)** WARNING: CHOKING HAZARD — This toy is a small ball. Not for children under 3 yrs.
- ▲ **CHOKING HAZARD (4)** WARNING: CHOKING HAZARD — Toy contains a small ball. Not for children under 3 yrs.
- ▲ **CHOKING HAZARD (5)** WARNING: CHOKING HAZARD — This toy is a marble. Not for children under 3 yrs.
- ▲ **CHOKING HAZARD (6)** WARNING: CHOKING HAZARD — Toy contains a marble. Not for children under 3 yrs.

# 60+ NEW PRODUCTS INSIDE!

**NEW**



Kemtec™ Weather & Seasons Kit, p. 86

**NEW**



ENGINO® STEM Structures, p. 158

**NEW**



My First Lab™ Prepared Slides, p. 45

*Look for the icon to find more!*

## Ordering information

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**BIOLOGY**

When you help students understand all living organisms — from the smallest bacteria to the largest California redwoods — their curiosity will grow.

Encourage discovery and develop inquiring minds with aquaponics, botany, anatomical models, DNA, cell replicas, and more.

- Aquaponics 4–7
- Insects 8
- Agriculture, Food & Natural Resources 9
- Hydroponics & Gardening 10–11
- Botany 12–19
- Anatomy & Physiology 20–29

**BEST SELLER**



**AquaSprouts® Complete Garden Kit**  
Contains everything you need to turn any standard 10-gallon aquarium (not included) into a self-sustaining ecosystem using aquaponics. Includes AquaSprouts® Garden, submersible pump, mechanical timer, expandable bar light, LED grow light, and grow media.  
SB52714 — \$250.00

**AquaSprouts® Garden Kit**  
Contains everything listed above, except 10-gallon aquarium and LED grow light.  
SB51992 — \$179.95

**LED Aquarium Bottom Light Only**  
SB52236 — \$17.95

For more information on AquaSprouts Garden Kits, go to [nascoeducation.com](http://nascoeducation.com)

**NEW**



**AquaSprouts® Garden - 29 Gallon**  
Fully functioning aquaponics ecosystem allows you to repurpose a standard 29-gallon aquarium into a self-sustaining growing system. Sustainably sourced birch wood frame.  
NE30569 — \$355.00



**AquaSprouts® Hydroponic and/or Aquaponic Water Fountains**  
Fountains combine fishkeeping/aquaponic learnings with hydroponic/gardening possibilities to help you build a system that demonstrates the transformation of energy, and brings chemistry, biology, and ecology lessons to life. Freshwater fish waste provides nutrients for the plants and the plants clean the water for the fish.  
SB53398 6-Gallon Fountain — \$165.00 SB53399 8-Gallon Fountain — \$175.00



**Aquaponics Kit**  
Acrylic tank, filter sponge, pump, aquarium cover, plant trays with removable covers, watering hoses, plastic net pots, growing medium, and instruction manual. 30" x 12" x 22".  
Z49074 — \$605.00



**Countertop Aquaponics System**  
Space-saving 5-gallon aquarium uses a simple airlift pump. Top is removable.  
Z48490 — \$349.95



**Aquaponics Education Kit**  
Six lesson plans (50 minutes each) cover ecosystems, water cycle, fish basics, and more. Includes printed and electronic education booklets, seed packets, 20 g of natural fish food, and 4-oz. bottles of natural water dechlorinator and beneficial bacteria.  
SB52672 — \$99.95



**LaMotte Aquaponics Test Kit**  
Monitors basic water quality for the aquaculture and hydroponics segments of your system. Reagents, labware, and accessories come in foam-lined carrying case. Perform approximately 50 repetitions per test factor. Test chemistries and comparators are compatible with fresh, brackish, or salt water systems.  
\* ♦ C34427 — \$345.00  
Reagent Refill for Aquaponics Test Kit  
♦ C34428 — \$204.95



**\*EXCLUDED FROM DISCOUNTS**





**Aquarium Sets — Complete with Tank**

Available in either 10- or 20-gallon sizes. Includes deluxe, all-glass aquarium; deluxe hood complete with light strip (lamps not included); and deluxe aquarium starter kit containing an air pump, airline tubing and valves, aerator bar, filter, filter medium, automatic heater, thermometer, fish net, and an aquarium handbook. **CHOKING HAZARD (1)**. Not for under 3 yrs.

EXCLUDED FROM DISCOUNTS

Product No.	Capacity	Filtration	Each
SBI6709	10 gallon	Under Gravel Filter	\$220.00
SBI6705	20 gallon	Sponge Filter	\$255.00

**Deluxe All-Glass Aquaria**

Full-view, all-glass corners; nontoxic, permanently flexible silicone seals; and impact-resistant top and bottom moldings. Extremely popular for school and laboratory use.

Product No.	Capacity	Dimensions	Each
SA04493	10 gallon	20" x 10" x 12"	\$52.95
SA04495	20 gallon	24" x 12" x 16"	\$93.95



S09944



SA04549

**Aquarium Gravel**

NOTE: We recommend 10 lbs. of sand or gravel per 5 gallons.

**Natural Red Flint Gravel.** 10 lbs.  
S09944 — \$13.95

**Rainbow-Colored Aquarium Gravel.** 2 lbs. in polyethylene bag.  
SA04549 — \$5.25



**White Sand**

Pure white silica sand for top dressing in aquariums, or may be used for seed. 10 lbs.  
S09940 — \$10.15



**Filter Carbon**

Super-activated carbon is the best medium for removing all harmful gases, discolorations, and odors from aquarium water. Granules are uniform in size. Essential to filtration. 5-lb. bag.  
SA05525 — \$60.95



**Eco-Check™ 5-in-1 Test Strips**

One-dip solution for measuring nitrate, nitrite, total alkalinity, total hardness, and pH. Accurate results in seconds. For fresh-water aquariums, ponds, and lakes. 25 strips.  
SB39209 — \$14.95



**Counter AquaPonics with Grow Light**

Add water along with your choice of fish and seed, then watch the ecosystem grow. System uses a space-saving 5-gallon aquarium (included) utilizing a simple airlift pump. Water flows through the filter media along to the plants and filtered water then returns to the fish. Can be used to grow a variety of herbs and lettuces. LED grow light is positioned directly over the grow raft. Height can be easily adjusted as plants grow. Top can be removed for easy cleaning. 16"L x 8"W x 21½"H. **CHOKING HAZARD (1)**. Not for under 3 yrs.  
Z51477 — \$549.99

**Nasco Flex-Tanks and Flex-Covers**

Create terrariums, small aquariums, or critter cages. Made from flexible, shatterproof material. Nests to save space; rounded corners provide easy clean up. No-drip covers. Exclusive design forces condensation to remain in the tank.

Product No.	Description	Size	Each
NE30347	½-gal. Flex-Tank Only	5½" x 7" x 3¾"	\$6.25
NE30350	½-gal. Flex-Cover Only	5½" x 7"	\$2.45
NE30348	1-gal. Flex-Tank Only	7" x 7" x 5"	\$7.15
NE30351	1-gal. Flex-Cover Only	7" x 7"	\$3.15
NE30349	1½-gal. Flex-Tank Only	11" x 7" x 5"	\$8.95
NE30352	1½-gal. Flex-Cover Only	10½" x 7"	\$5.25
NE30354	½-gal. Flex-Tank & Cover	5½" x 7" x 3¾"	\$6.95
NE30355	1 gal. Flex-Tank & Cover	7" x 7" x 5"	\$8.95
NE30356	1½ gal. Flex-Tank & Cover	11" x 7" x 5"	\$12.95



**Aquaculture Countertop System**

Clear, self-contained ecosystem with biological filtration and plant growth area needs no direct plumbing connections. Requires only one 120V outlet for operation. Recycled 14" water carboy containers, pipe, connectors, filter material, air pump, air stone, and one-plant hydroponic raft. 2 sq. ft. **CHOKING HAZARD (1)**.  
Z40649 — \$289.95



**Desktop Aquarium Kit**

Starter kits take up little space. Aquarium, quiet floor filter and cartridge, aquarium light hood, 7-watt incandescent bulb, set-up/care guide, water conditioner, and fish food.  
SB47442 — \$44.95



**Fish Farm™**

5' 4" dia. x 35" polyethylene tank contains 400 gallons of water. Low-space bioreactor; large, silent, oilless air pump; larger self-cleaning biofilter that uses Kaldness media; and additional aeration for better nitrification performance. Electrical components are UL approved, with power consumption at 30 watts. Maintenance takes less than 10 minutes per day and only 2 pails of water (5 gallons each) need to be emptied and replaced. No electricity in the water. **CHOKING HAZARD (1)**.  
Z29920 — \$5,930.00

EXCLUDED FROM DISCOUNTS



**Giant Butterfly Garden®**

Watch five caterpillars become painted lady butterflies. Includes collapsible and reusable 18" deluxe habitat, pipette, four life-cycle stages plastic figurines, voucher for 5 caterpillars and nutritious food, and instruction guide. Additional shipping and handling fee required upon redemption. During extremely hot or cold weather, delivery of live larvae may be delayed. Live caterpillars shipped only to continental U.S. and Alaska. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB52857 – \$31.95**

**Original Butterfly Garden®.** Similar to garden above, but habitat is 11½" and does not include life-cycle stages figurines. Additional shipping and handling fee required upon redemption. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB52856 – \$27.95**

**Insect Lore® Butterfly Pavilion Kit with Prepaid Voucher**

Over the course of 3 weeks, students observe and learn as 10 tiny caterpillars eat and grow, transform into chrysalides, and then emerge as beautiful painted lady butterflies. Includes prepaid voucher for caterpillars, 2' habitat, STEM journal, and more. U.S. **CHOKING HAZARD (1).** Not for under 3 yrs. **NE30623 – \$57.99**

**Portable Animal Habitat – Kritter Keeper**

Clear plastic habitat features air vents, flip-top lid for access, and handle for easy transport. For hamsters, gerbils, tropical fish, turtles, frogs, and snakes. 8" x 5". **SB25229 – \$10.95**

**Insect Net**

Extends from 18"–32" with a 48" conical net mounted on a 14" ring. Nylon. **CHOKING HAZARD (1).** Not for under 3 yrs. **C33048 – \$12.15**

**Insect Pop-Up Cage**

Simple to set up, easy to clean, and collapsible. One clear plastic side and 3 mesh sides. Access inside through zipper openings on side. **16½" x 16½" x 30" SB46624 – \$10.95**  
**27" x 27" x 48" SB46623 – \$17.75**

**Insect Lore® Ladybug Land™ Kit with Prepaid Voucher**

Students can observe the ladybug life cycle from larva to adult in this unique habitat with a magnifying lid. Redeem prepaid voucher online for 10 to 15 ladybug larvae. Includes habitat with magnifying lid, water reservoir, STEM journal, and more. **NE30622 – \$37.99**

**Student Nets**

**Gr. 7+** Soft ½" mesh grid size, and 20" high-grade knotless pine handle. **Insect.** 8" square steel hoop, 6" mesh capturing bag. **SB43411 – \$6.95**  
**Butterfly.** 12" steel hoop, 28" mesh capturing bag. **SB43413 – \$14.95**

**Professional Nets**

**Gr. 7+** Soft ½" mesh grid size, and 30" extendable handle with quick twist lock. **Insect.** 11" square steel hoop, 11" mesh capturing bag. **SB43415 – \$24.95**  
**Butterfly.** 12" steel hoop, 28" mesh capturing bag. **SB43416 – \$24.95**

**Maxi II Advance Classroom Pack**

Incubation and embryology kit for elementary and middle school. Includes lesson plan manual on CD-ROM, Maxi Advance II Incubator, OvaScope, chick brooder, plastic chick enclosure, feeder, and drinker. **C34169 – \$539.99**

**Brinsea OvaScope Egg Scope**

Watch the live embryo develop inside the egg. Can be fitted with a webcam. Completely blocks out ambient light, slightly magnifies egg's image, and allows viewer to rotate egg smoothly as it is observed. High-output, high-efficiency, LED illumination. No bulbs to replace. No concerns about overheating eggs. For any size egg up to goose eggs. **C29805 – \$89.99**

**Incredible Creatures® Life Cycles Set**

Use replicas for hands-on sequencing of life cycles. Includes life cycle sets for a frog, monarch butterfly, green bean plant, green sea turtle, chicken, and ladybug. **CHOKING HAZARD (1).** Not for under 3 yrs. **EL11211 – \$59.95**

**Nasco Chicken Embryology Poster Set**

Real pictures show chicken embryo development. May be used separately or joined together. Poster 1 shows days 0–6, poster 2 shows days 12–21, and poster 3 shows day 21. 21" x 7¼" per section. **SB42872 – \$15.99**

**Nasco Incubator Kit**

Gently warm and hatch up to 42 large chicken eggs or a larger number of smaller eggs. Constructed of thermal-insulated material, the incubator comes with the automatic egg turner and racks, plastic sanitary bottom liner, thermometer, thermostat, and two observation windows. 18" x 18" x 7½". **C17015 – \$134.99**

**High-Intensity OvaView Candler**

High intensity for darker and mottled eggs (quail, pheasant, etc.). Hold in hand or leave on a surface. High-output, high-efficiency, LED illumination. No bulbs to replace. No worry about overheating eggs. Battery powered; requires rechargeable batteries due to larger power drain. **C29807 – \$57.99**

**Chick Life Cycle**

**Gr. K+** Set of 21 eggs. Plastic. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB45779 – \$37.95**





**GROW INDOORS**  
all year round!



Charcoal

EXCLUDED FROM DISCOUNTS

**The Rise Garden Hydroponic System**

Grow up to 36 veggies, fruits, and greens on each level. Automatically delivers the perfect amount of water for faster growth. App provides directions, reminders, and tips. Each system includes 16 starter plant variety packs, 3 (4-pod) trays per level, 18 net cups per level, and a nursery. 30W LED full-spectrum lights, steel shelves, wood frame, and a self-watering 9-gallon system. Wi-Fi- and voice-enabled.

**Single Tier.** 39½" H x 16¼" L x 36¼" W  
NE30474 Cloud — \$749.00  
NE30477 Charcoal — \$749.00

**Triple Tier.** 66¾" H x 16¼" L x 36¼" W  
NE30476 Cloud — \$1,349.00  
NE30479 Charcoal — \$1,349.00

**Double Tier.** 53" H x 16¼" L x 36¼" W  
NE30475 Cloud — \$1,049.00  
NE30478 Charcoal — \$1,049.00

NE30476

EXCLUDED FROM DISCOUNTS

**Personal Rise Garden Hydroponic System**

This award-winning hydroponic system comes with everything you need to grow up to 8 plants in as little as 30 days. Solid-wood frame, full-spectrum LED lights, and a dishwasher-safe, food-grade plastic tray. Includes 8 seed pods, 8 net cups, 1 nursery, and nutrient mixes.

NE30457 — \$349.00



EXCLUDED FROM DISCOUNTS

**Seed Pods for Personal Rise Garden**

Let students watch a variety of plants grow in your Personal Rise Garden. Thoroughly tested to ensure success. Shelf stable for 1 year.

NE30462 Microgreens Variety 12-Pack — \$22.50

NE30463 Butter Lettuce 4-Pack — \$11.25

NE30464 Mini Sunflower 4-Pack — \$14.00

NE30465 Lavender 4-Pack — \$14.00



EXCLUDED FROM DISCOUNTS

**Rise Gardens Blossom Dry Nutrients**

Specially designed for late-stage plant growth and provides minerals for the flowering and seed production phases of plant growth. Buffers pH and may increase speed of growth.

NE30486 30 g — \$10.00  
NE30487 150 g — \$16.50



EXCLUDED FROM DISCOUNTS

**Rise Gardens Sprout Dry Nutrients**

Specially designed for early-stage plant growth and provides minerals for the seedling and vegetative phases. Buffers pH and may increase speed of growth.

NE30488 30 g — \$10.00  
NE30489 150 g — \$16.50



EXCLUDED FROM DISCOUNTS

**pH Balance Solution for Rise Garden**

pH Balance lowering solution helps you keep your pH in the targeted range of 5.8 and allows your plants to uptake their nutrients. 100 ml.

NE30459 — \$17.00

EXCLUDED FROM DISCOUNTS

**GrowBox**

Tabletop unit has 4 adjustable LED lights and 50 sponge planting sites. Accommodates plants over 3' tall or vining plants. Water capacity: 5.9 gallons. 41" x 28" x 23"-42".

Z50809 — \$733.95



EXCLUDED FROM DISCOUNTS

**O<sub>2</sub> Light**

Doubles as a tabletop LED reading light with an air refresher fan. Adjustable dual-line water tank accommodates any standard 1", 2½", 3", or 4" flower pot. Fits up to sixteen 2½" pots or sponges. Adjustable position. Water capacity: 0.7 gallons. 22" x 5½" x 21⅞".

Z50814 — \$230.00





**Classic Sienna Raised Garden Bed**

Modular raised garden bed with 2" profile. Comes with everything needed except for soil and plants. Tool-free, snap-lock joints make it easy to install — simply slide and snap. Composite boards feature textured wood-grain finish that blends into any environment and will not rot, warp, splinter, or fade. Insulating open-channel boards trap air, providing insulation to your soil. Stacking brackets pivot 270°, allowing endless design options. Beds can be added on to or reconfigured at any time. Shipped directly from our supplier. 

**4' x 4' x 5½"**. 16 sq. ft. of available planting area.  
**Z51724 — \$99.99**

**A. 4' x 8' x 5½"**. 32 sq. ft. of available planting area.  
**Z51725 — \$149.99**

**4' x 4' x 11"**. 2-level raised garden bed with 16 sq. ft. of available planting area.  
**Z51726 — \$199.99**

**4' x 12' x 11"**. Reinforced with bracing boards that prevent frost push-out and divide garden into 3 separate planting areas. Provides depth for growing both underground veggies and tall plants. Provides 48 sq. ft. of planting area.  
**Z51728 — \$429.99**

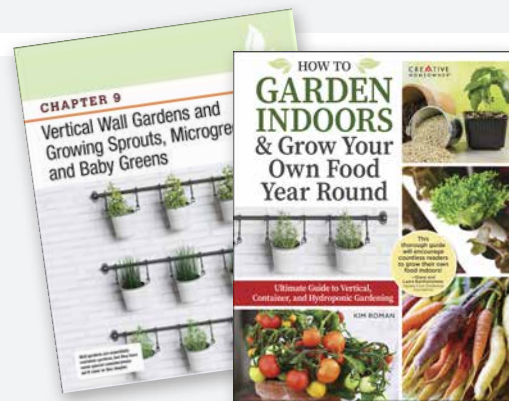


**How to Garden Indoors and Grow Your Own Food Year-Round**


By Kim Roman

Learn how to grow a garden inside the classroom no matter what time of the year it is. This guide is filled with valuable information and DIY projects on growing vegetables, microgreens, and herbs, as well as information about hydroponic gardening, troubleshooting, and more. 160 pages.

**NE40223 — \$25.75**



**Raised Garden Box**

UV-resistant white vinyl material will not rust, rot, or mold. Simply add soil. 48" x 48" x 15". 

**SN36313 — \$98.70**



Build your wish list and email it at [nascoeducation.com](http://nascoeducation.com)

EXCLUDED FROM DISCOUNTS

**Elevated Escape Raised Garden Bed**

The elevated design and sturdy construction of this raised garden bed makes gardening in small spaces possible. Recycled plastic composite planter boards and aluminum frame. Simple assembly. 24" x 48" x 34½".   
**NE30404 — \$299.99**



EXCLUDED FROM DISCOUNTS


**Skyline Planter Raised Garden Bed**

The elevated design and sturdy construction of this raised garden bed makes gardening in small spaces possible. Recycled plastic composite planter boards and aluminum frame. Simple assembly. 24" x 48" x 25".   
**NE30405 — \$289.99**



Includes a drip line irrigation system

**Gronomics® Vertical Garden**

Create a garden just about anywhere, indoors or out. The pre-assembled vertical garden only takes up 2 sq. ft. Soil capacity: 4½ cu. ft. Provides over 17' of linear growing space. Includes a drip line irrigation system, making watering easier. Handcrafted of 100% western red cedar. Unfinished. 32" x 9" x 45".   
**Z47018 — \$367.50**

**Z47018 — \$367.50**

BEST SELLER



**GreenThumb Classroom Greenhouse**

Wire shelves in two tiers allow plenty of room for growth. Clear vinyl cover with large zippered opening fits snugly over metal frame. Assembles in minutes. 36" x 19" x 38". Includes instructions. For indoor or outdoor use.  
**SB42273 — \$72.95**



SB53412

SB53411

**Nasco Grow a Fruit and Vegetable Garden Student Kit**

Get your students started on their very own garden. This handy, economical take-home kit includes: 1 pack each of pumpkin, green beans, lettuce and corn seeds; seed starting cartons, soil, planting directions, and activity guide.  
**SB53412 — \$20.50**

**Nasco Grow a Decorative Garden Student Kit**

Budget friendly take-home or in-class student kit shows students the beauty and the magic of blossoms. Kit includes: a 4-pack of annual flowers and grasses; seed-starting cartons and soil; planting directions and activity guide.  
**SB53411 — \$20.50**

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**TickleMe Plant™**  
**Gr. K+** When touched, the TickleMe Plant™ (*Mimosa pudica*) quickly closes its leaves and even its branches move down when tickled. These plants also appear to sleep at night by closing up their leaves. Seeds can sprout in a matter of days and within a month the plant will move when tickled. Adult plants can produce pink flowers.

**Group Kit.** Everything you need for your group (up to 30) to grow these plants from seeds to flowers and back to seeds. Includes 30 seed packets, 30 flower pots (4"), and 30 expanding Wonder Soil® waters. The 38-page TickleMe Plant™ book features over 60 color photos, information about how to care for your plant, over 20 teacher-created science projects, and experiments.  
**EL10351 – \$89.99**

**Greenhouse Kit.** Includes 2 plant seed packets (each with 10-20 seeds), reusable greenhouse made of recycled plastic, 6 flower pots, 6 coco-peat soil pellets, 10 fun science experiment ideas, and instructions. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**C29749 – \$23.19**

**Plant Seed Packet.** Includes 10-20 seeds and instructions.  
**SB43354 – \$7.49**



EXCLUDED FROM DISCOUNTS

**Plant Light House®**  
 Snap-together internal frame makes setup and take down simple and fast. No tools needed. Light fixture includes a reflector, dual porcelain fixture, and two 14-watt LED light bulbs. Can grow 64 Fast Plants® to maturity, enough for a class of 32 students. 19" x 18" x 24".  
**SB41051 – \$214.95**



EXCLUDED FROM DISCOUNTS

Perfect for use with Fast Plants® Kits on p. 16

**Plant Light Bank**  
 Comes mostly pre-assembled. No tools required. Uses twelve 18-watt spiral compact fluorescent bulbs (included). Accommodates up to three Wisconsin Fast Plants® classroom kits. 53½" x 24½" x 28".  
**SB48915 – \$444.95**



**Vacuum-Formed Square Pots**  
 Special design allows trays to be filled from edge to edge in seconds, promoting more efficient use of costly soil mixes. Black.  
**4½" with Tray.** Set of 15. 4½" x 3¾".  
**SB42878 – \$11.95**  
**2½" with Tray.** Set of 32. 2½" x 3½".  
**SB42879 – \$12.95**  
**2½" without Tray.** Set of 32. 2½" x 3½".  
**SB42876 – \$9.25**



**Sprout & Grow™ Window**  
 Watch bean and pea seeds sprout and roots develop and grow in nutrient-enriched soil through large window. Step-by-step guide has instructions, suggested activities, and journal pages to fill in observations. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB36694 – \$28.95**



**Set of 10 Crystal Clay® Kits**  
**Gr. 5+** Just add water and watch soil grow 100 times its size in 30 minutes. Seeds are guaranteed to sprout. 10 each of growing tubes, Crystal Clay® gel, seed packets (miniature pumpkin, blue morning glory, and sunflower), paper tube stands with plant growth life cycle, and instructions.  
**SB42635 – \$31.95**



**All-In-One Greenhouse**  
 No soil needed. Just add water, pellets, and seeds. Use for starting seeds or cuttings indoors. Pack of 25 Jiffy-7® Peat Pellets, sturdy base tray (reusable), and a clear greenhouse dome.  
**SB28559 – \$13.50 5+ \$0.00**



**Professional Jiffy® Greenhouse**  
 Easy-to-use greenhouse kit provides professional results for starting seeds or cuttings. Kit includes 11" x 22" tray/dome and 72 Jiffy-7® Peat Pellets. It is just a small, thin, easily stored wafer enclosed in a fine plastic netting. Add water and it expands to its ultimate size of 1¼" in diameter by 2½" in height, all neatly enclosed in the plastic net.  
**SB31095 – \$17.75**



**Plant Food – Nutrient Deficiency in Plants**  
 Examine the effects of nutrient deficiency on plants by depriving each plant of 1 of 7 specific vital nutrients and observing effects on growth. Enough material for three complete setups.  
**C31019 – \$71.95**



**Easy Grow Greenhouse®**  
 Seeds sprout faster and root cuttings start quicker, too. Dome holds moisture and warmth inside. 72 pop-out gro-cells in 11" x 22" rugged plastic tray.  
**SB11127 – \$11.25**

Seed assortments and seed germination paper found on p. 16



**Wisconsin Fast Plants® Kits**

Contains everything you need to complete the activities including seeds, an automatic watering system that provides enough water for 3–4 days, planting units, pollination materials, plant stakes, pot labels, fertilizer, and growing instructions booklet. Many kits are reusable. Kits require 24-hour cool, white fluorescent light which can be provided with Plant Light House® (SB41051, see p. 16) for a single classroom or Light Bank (SB48915, see p. 17) for up to three classroom kits. For up to 32 students.

**Kit Refill.** Contains seeds, pollination materials, stakes, labels, chemicals, fertilizer, and instructions. Cannot ship outside the continental U.S.  
**SB41047 – \$89.95**

**Elementary Exploration of Plant Life Cycles.** Grow plants through an entire life cycle in only 40 days. Cannot ship outside the continental U.S.  
**SB41048 – \$142.95**

**Wisconsin Fast Plants® Standard Seed.** Produce flowers in 13–17 days. Cannot ship outside the continental U.S.  
**SB41049 Pack of 50 – \$25.50**  
**SB41050 Pack of 200 – \$63.95**



**Seed Starting Kit**

Includes seed assortment, pack of 50 Jiffy® peat pots, 50 plant tags, 16 qts. of Jiffy-Mix® seed starting soil, and osmocote plant food.  
**SB42710 – \$59.95**



**Seed Assortment**

Includes field corn, rye grass, lima bean, dwarf marigold, green arrow pea, radish, grey strip sunflower, and blue lake green bean.  
**SB42711 – \$19.50**



**Jiffy® Seed Starting Soil/Peat Pots & Pellets**

**Seed Starting Soil.** Sterile, fertilized growing media.  
**SB30115 8 qts. – \$9.95**  
**S08460 16 qts. – \$18.95**

**Peat Pots.** Case of 1,404. Roots grow right through the bottom and sidewalls; plant the whole pot. 3" dia.  
**SA08086 – \$273.95**

**Peat Pellets.** Add water and it expands to its ultimate size of 1¾" dia. x 2½"; enclosed in the plastic net.  
**SA07926 Case of 1,000 – \$223.95**  
**SA00407 Packet of 25 – \$6.25**



**Quads Reusable Planters**

Four-cell foam planters can be adapted to individual or group work. Easy to store. Set of 16.  
**SB47153 – \$18.50**



**Plant Labels**

Pack of 50. ¾" x 4".  
**SB41071 – \$6.25**



**Seed Germination Paper**

Tan creped towel used for seed germination. 100 sheets, 10" x 15".  
**SB39211 – \$36.95**



**Nasco E-Z Spray Bottle**

Adjustable spray pattern. Pistol grip handle and bottle. Pint.  
**C07664 – \$2.85**



Explore parts of a flower in 3D

**Foam Flower Model**

Resilient, nontoxic EVA foam and removable pieces for hands-on use with students of all ages. Detailed teacher's guide includes background information, reproducible worksheets, cross-curricular extension activities, assessment ideas, and more. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**SB31406 – \$85.95**



**Dicot Flower Model**

Enlarged approximately 8 times. Disassemble to view pollen grains. Important structures are numbered and correspond to identification key. 17½" x 15½" x 12".  
**SB50602 – \$135.95**



**Dendrochronology: Tree Ring Dating Kit**

**Gr. 6+** Learn about the effects of climate on living things while studying the age and history of trees in 30 simulated, reusable tree cores. For 30 students. Takes 50 minutes to complete. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**SB50433 – \$79.95**



**NewPath Learning® Photosynthesis and Cellular Respiration Curriculum Learning Module**

**Gr. 6–10** Blend of technology-based instructions, interactive print resources, and game-based learning. Covers cell energy, photosynthesis, and cellular respiration.  
**SB52105 – \$124.95**

**Tree Cookies**

Explores the life cycle of trees, see the variations in tree species, estimate a tree's age, and learn about factors that affect tree growth. Approximately 2"–4" dia.

**Set 1.** Three tree cookies (1 each of oak, pine, and walnut).  
**SB25029 – \$8.25**

**Set 2.** Six tree cookies (1 each of red oak, pine, walnut, basswood, ash, and red pine).  
**SB26464 – \$15.00**





**BEST  
SELLER**



**Photosynthesis and Respiration Chamber**  
Monitor the cycle of photosynthesis and respiration of plants using NeuLog O<sub>2</sub>, CO<sub>2</sub>, and light sensors. Gallon clear glass bottle with cap, rubber stopper size 00, and rubber stoppers size 7. (Plants and sensors not included.)  
**SB51966 – \$39.00**

**NeuLog Logger Sensors.** See nascoeducation.com for complete descriptions.  
**SB51188 CO<sub>2</sub> – \$325.00**      **SB50677 Oxygen – \$300.00**



**Biomimicry: Technology Inspired by Nature**  
Displays show an innovation and the element of nature it resembles, along with an explanation of the subject. Innovations include camouflage, hook-and-loop fasteners, man-made fibers, and more. Set of 12; 6" x 5" each.  
**SB50607 – \$290.00**

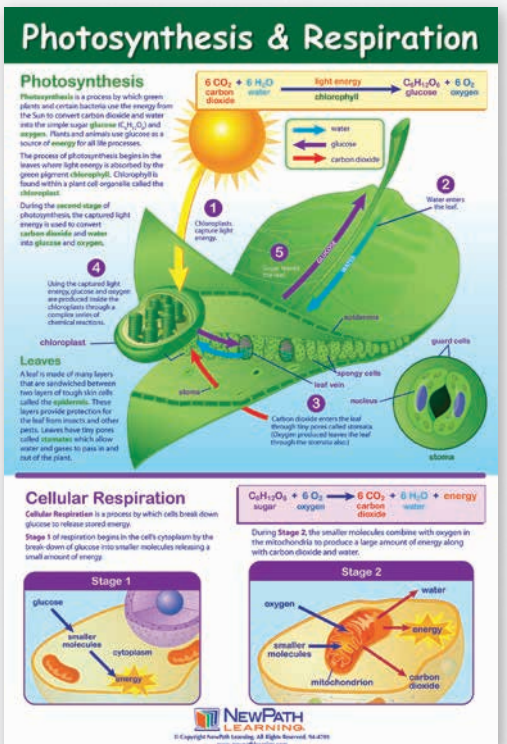
**Plant Kingdom Survey Set**  
Collection of 12, 6" x 5" display mounts, each containing labeled specimens. Fungi, algae, lichens, and true plants are represented with 47 specimens. Contains algae, lichens, fungi, liverworts, mosses, seedless vascular plants, gymnosperms, monocot angiosperm, dicot angiosperms, seed types, leaf venation, and parasites and epiphytes. On occasion, similar specimens may be substituted due to availability.  
**SB37295 – \$340.00**



**Leaves and Seeds of Common Trees Identification Mounts**  
Each species is represented by both leaves and seeds. Leaves and twigs are pressed. Fruits have been freeze-dried. Each 5" x 8" mount is labeled on back with common and scientific names, family, leaf arrangement, leaf type, tree size, fruit type, natural habitat, and a range map for the U.S. Includes 16 mounts in 6" x 15" flip bin.  
**SB37259 – \$94.95**



**Plant Press**  
Solid oak frames with brass-plated rivets and cotton web straps with sliding buckles. 12 driers and ventilators. 12" x 18".  
**SA02726 – \$89.95**



**NewPath Learning® Photosynthesis & Respiration Poster**  
Shows steps of photosynthesis and stages of respiration. 23" x 35". Laminated.  
**SB47610 – \$20.95**



**Photosynthesis, Plants, and Food**  
**Gr. 6+** Teams use an atom model to build carbon dioxide and water molecules, then "react" them to form sugar and oxygen molecules. Students also read about plants' role as producers and are introduced to chloroplasts. For 32 students. **CHOKING HAZARD (I)**. Not for under 3 yrs.  
**SB46818 – \$109.95**



**Absorption Paper**  
Thick, absorbent, non-fuzzy, white blotting paper. Pack of 100, 12" x 18".  
**SA04460 – \$119.95**



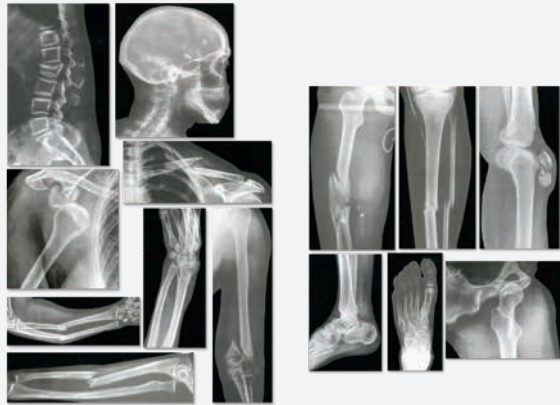
**Plant Mounting Sheets**  
Cardboard herbarium sheets. Printed legend in lower right-hand corner. No rag content. 11½" x 16½", 140-lb. weight paper. Pack of 25.  
**C09647 – \$19.95**



**Nature Print® Paper**  
Undergoes chemical change when exposed to sunlight. Images appear in minutes. Select specimens you wish to print, arrange them on paper, and expose to sunlight for 2–3 minutes. Soak in water for a minute, then dry. Images will sharpen during drying. Pack of 30, 5" x 7".  
**5500210 – \$12.15**





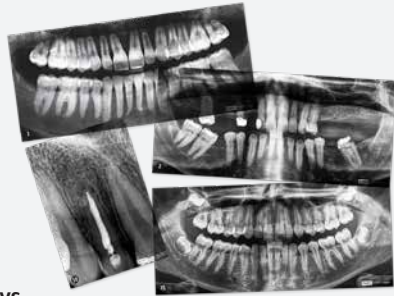


**Broken Bones X-Rays**  
15 real X-rays reveal a detailed look at common breaks to a variety of human bones. Includes guide.  
SB43367 — \$36.20



**True-to-Life Human X-Rays**  
Arrange 18 X-ray pieces together to reproduce entire 5' skeleton. Teacher guide includes reproducible artwork and information on radiography.  
SB40317 — \$41.20

**NEW**

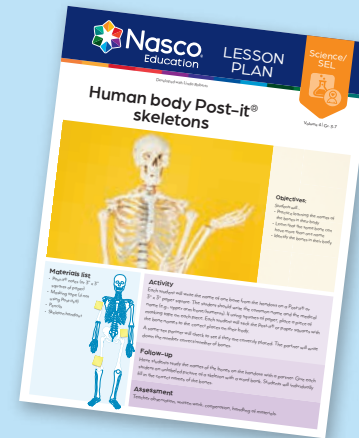


**Dental X-Rays**  
Teach future dental professionals all about the development of healthy teeth in young children to young adults. Includes 15 X-rays and tooth development chart.  
NE40562 — \$23.99



**Fixed Bones X-Rays**  
Authentic X-ray images show the hardware used to fix a broken bone. Additional images of the fractures correspond to the X-rays of the repairs. 14 X-rays, 14 broken bone images on card stock, and guide.  
EL14149 — \$24.00

**Human body Post-It® Skeletons**  
Science Lesson Plan



To download this free lesson plan, visit [nascoeducation.com/lesson-plans](http://nascoeducation.com/lesson-plans) and search U27700.

**BEST SELLER**



**EXCLUDED FROM DISCOUNTS**

SB45480

SB51049

**Comes with roller stand and dust cover**

*Portable, durable, and rechargeable!*

**Light Cube**  
Portable, rechargeable cube strobes, flashes, and changes color with the touch of a button. Stand or kneel at the cube indoors or out. Sturdy construction and long-lasting LED light source. Easy-to-clean surface. Includes power source, remote control, and teacher guide. 16" x 16" x 16".  
SN35734 — \$323.00



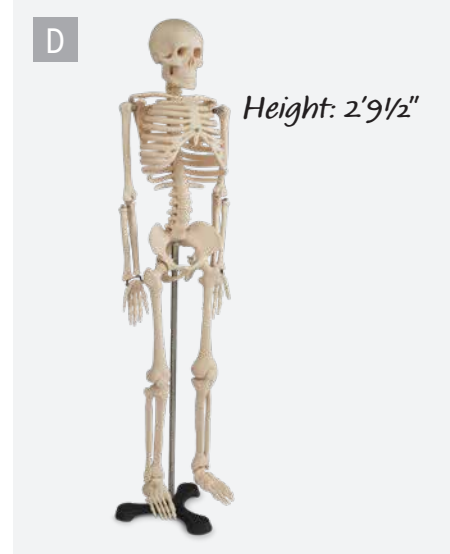
**Human Skeleton Poster**  
Front view with major bones and joints identified. Height: 4'6". Comes in storage tube.  
SB28462 — \$24.40



**NEW**

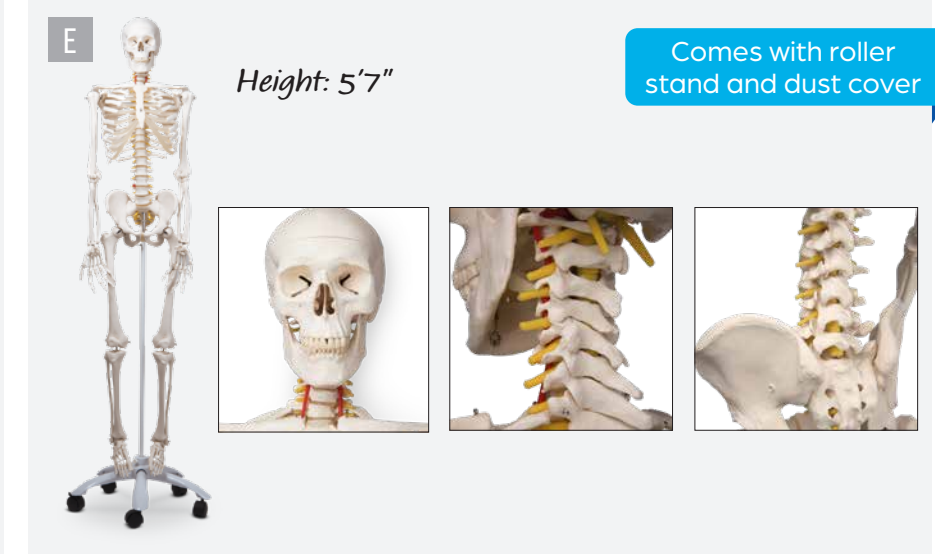


**Miniature Human Skeleton Model**  
Features movable joints, an articulated mandible, and removable skull cap. Arms and legs are attached by threaded studs and nuts, allowing you to adjust their flexibility. Made of washable polymer material. Includes rod mount and plastic base. 17" tall (17.5" when mounted on rod).  
NE40636 — \$28.49



**A. Human Skeleton**  
Made from unbreakable plastic cast from an actual specimen. Hand assembled and finished. 200 accurately weighted bones of an actual adult human, easily removable limbs, individually spaced and molded teeth, and fully articulated hands and feet. Pelvic mounted on 4' roller stand. Full height with stand: 5' 7". Poster included.  
SB02011 — \$391.18

**B. Skeleton Dustcover – Black**  
Protect your investment with this heavy-duty protective cover. Suitable for all full-size skeletons and stand versions. Transparent window.  
SB45480 — \$86.70



**C. Skeleton Dustcover – Blue**  
Protects full-size skeletons (both hanging and pelvic mounted). Zippered. Heavy-duty fabric with transparent window.  
SB51049 — \$28.62

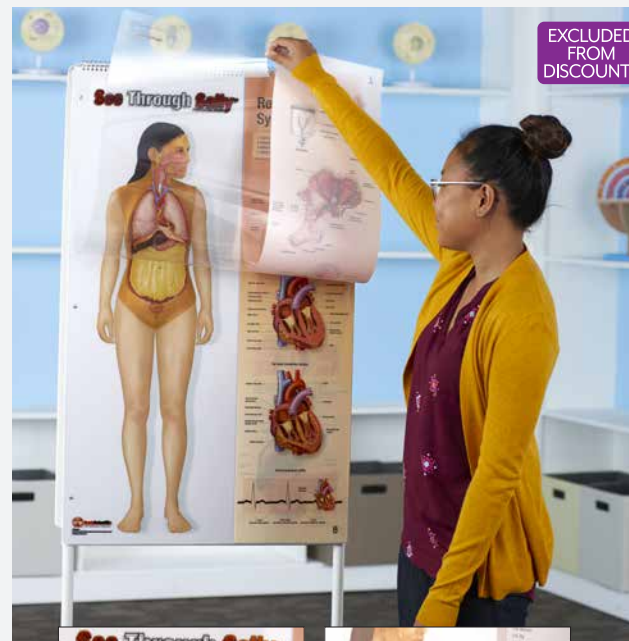
**D. Half-Size Skeleton**  
Wired for natural movement. Removable skull with calvaria cut. Miniature springs hold mandible in place. Tiny screws hold arms and legs in position so you can bend extremities in all directions. Although basic appearance and functional value of skeleton is excellent, there may be flaws in the construction. Plastic on heavy metal stand with stainless steel hardware. 33 1/2".  
SB22564 — \$101.50

**E. American 3B Flexible Skeleton**  
Spinal column allows demonstration of natural movements and pathological conditions. Demonstrate all skull movements at neck joints. Accurately depicts tooth position and spacing. Also shows spinal nerve exits, vertebral arteries, and dorsolateral disk prolapse between third and fourth lumbar vertebrae. Cast from a natural, real bone skeleton. Unbreakable plastic. Anatomical details such as fissures, foramina, and processes are accurately shown. Three-part skull (skullcap, skull base, and lower jaw). Removable arms and legs.  
SB27618 — \$867.00





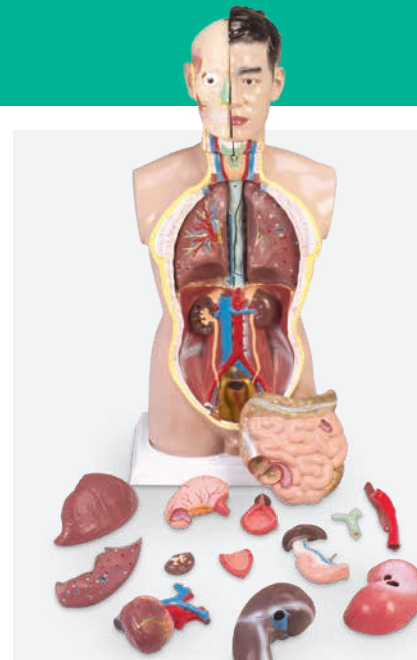
**Disarticulated Human Skeleton**  
Full sized. Separated bones correspond to the chart included. Features one wired hand and foot and one detached hand and foot. 202 pieces.  
SB49201 – \$285.93



EXCLUDED FROM DISCOUNTS



**See-Through Sally™ Human Anatomy Display**  
Set of 12 spiral-bound anatomy charts (22" x 36") mounted on metal frame and 66" floor stand. Charts begin with body's outer layer and continue through various organ systems. Each page has a full-view image with all organs numbered sequentially, a number key, and highlights for anatomical features of each system.  
SB51340 – \$375.00



**Human Torso (20-Part)**  
Head is removable; half of brain is removable to show a sagittal section. Heart, a portion of each lung, liver, stomach, and pancreas (including a portion of the duodenum) can be removed. Right kidney is separate and sectioned to show internal anatomy. Intestinal mass comes out in one piece. Plastic. Mounted on plastic base. 14<sup>9</sup>/<sub>16</sub>" x 9<sup>7</sup>/<sub>8</sub>" x 33<sup>1</sup>/<sub>2</sub>".  
SB25195 – \$274.04

BEST SELLER



**Genderless Human Torso (6-Part)**  
Compact plastic model displays the respiratory, circulatory, digestive, nervous, and urinary systems, as well as musculature. Easy removal of the lungs, heart, liver, stomach, and intestines. Full-color instruction manual. 10"H.  
SB25196 – \$65.92



**Genderless Human Torso (12-Part)**  
Numbered or lettered anatomical features correspond to key card. Torso, head (2 parts), brain half, 2 lungs, heart (2 parts), stomach, liver, intestines, and cecum cover. Mounted on plastic base. 20" x 8" x 3<sup>1</sup>/<sub>4</sub>".  
SB25198 – \$192.34



**Life-Size Heart Model (2-Part)**  
Can be removed from base. Good visibility of the chambers, valves, and great vessels. 6<sup>1</sup>/<sub>4</sub>" x 3<sup>1</sup>/<sub>2</sub>" x 3<sup>1</sup>/<sub>4</sub>". Key included.  
SB25200 – \$34.51

**Cross-Section Heart and Brain Model Set**  
Foam models with one side labeled and other side blank. Each model represents a 5" cross-section in the actual shape of the organ. Includes guides.  
SB42007 – \$43.95  
SB42005 Heart – \$21.26  
SB42006 Brain – \$20.25



**Nasco Human Body System Kits**  
Learn how the circulatory, respiratory, and nervous systems work, identify each system and its parts, and see each system in action. Includes one of each kit below. ⚠️ CHOKING HAZARD (1). Not for under 3 yrs.  
SB52085 – \$155.95

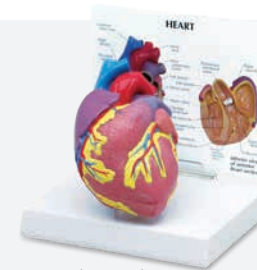
**A. Nervous System**  
Learn to identify the structures of the brain and the functional areas, discuss memory, and see how illusions can fool our brains. ⚠️  
SB51904 – \$54.95



**B. Breathe Easy Respiratory System**  
Learn all the primary parts and functions of the respiratory system, understand the diaphragm, and more. ⚠️ CHOKING HAZARD (2). Not for under 8 yrs.  
SB51905 – \$49.95



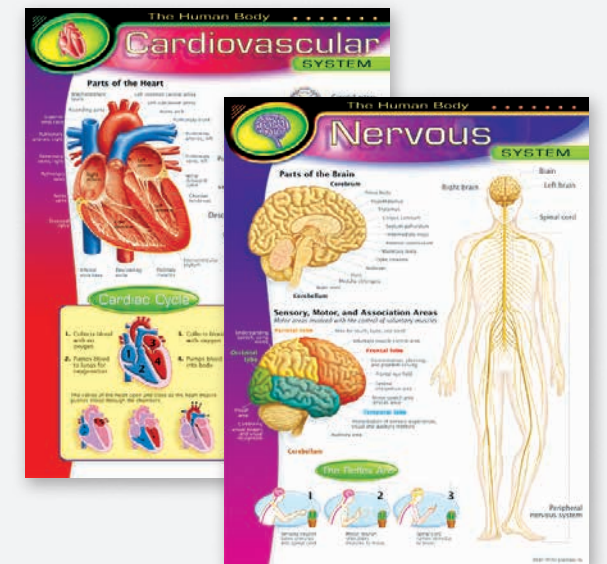
**C. Complex Circulatory System**  
Learn how to listen to your heart, find your pulse, and the components of the heart. ⚠️ CHOKING HAZARD (1). Not for under 3 yrs.  
SB51906 – \$52.95



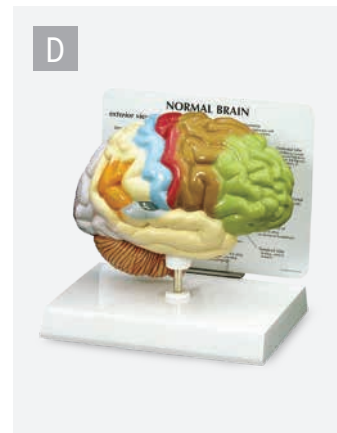
**Heart Model (2-Part)**  
Model opens in half to show inner chambers and valves as well as aortic arch, superior and inferior vena cava, and pulmonary and cardiac veins. Mounted on stand. Model: 3<sup>3</sup>/<sub>4</sub>" x 4" x 4<sup>1</sup>/<sub>4</sub>". Information card: 6<sup>1</sup>/<sub>2</sub>" x 5<sup>1</sup>/<sub>4</sub>".  
SB32595 – \$112.00

Includes 7 charts

**The Human Body Learning Charts Combo Pack**  
Seven charts include nervous system; skeletal system; reproductive, endocrine, and excretory systems; respiratory system; cardiovascular system; muscular system; and digestive system. 17" x 22" each.  
SB42082 – \$27.95







**A. American 3B Classic Skull (3-Part)**  
Highly accurate representation of fissures, foramina, processes, sutures, etc. Can be disassembled into skull cap, base of skull, and mandible. 9" x 6" x 6¾".  
**SB33945 — \$153.00**

**B. Human Skull (3-Part)**  
Life-size. 18th left mandibular molar, 22nd left mandibular canine, and 24th left central incisor are removable to show roots. Spring-mounted mandible and sectioned calvaria are detachable. 5½" x 8" x 6".  
**SB25937 — \$55.00**

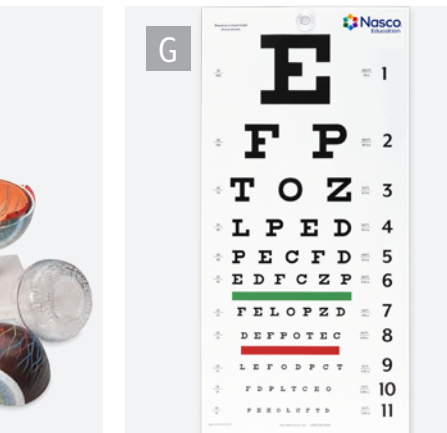
**C. Colored Human Skull**  
Life-size model features 22 colored bones. Identification key corresponds to the 22 different colors. 8" x 8" x 5½".  
**SB50960 — \$174.58**



**D. Half Brain Model**  
Demonstrates sensory/motor functions. Normal right half brain with frontal, parietal, occipital, and temporal lobes; cerebellum; interthalamic adhesion; corpus callosum; pons; midbrain-central peduncle; olfactory bulb; optic nerve; optic chiasm; mammillary body; and medulla oblongata. 6½" x 5" x 2½".  
**SB40235 — \$99.95**

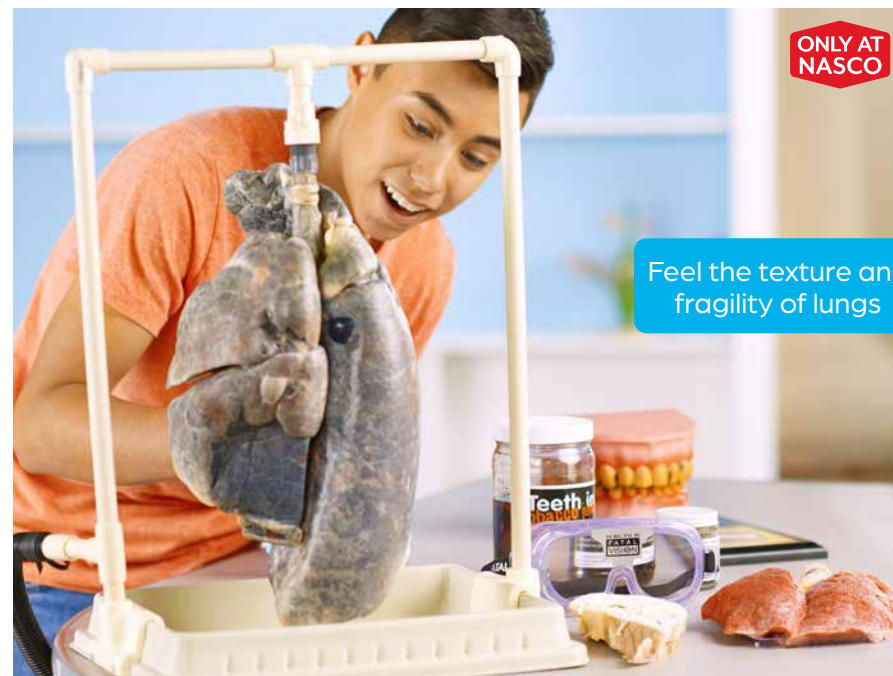
**E. Human Brain Model (8-Part)**  
Life-size human brain molded from PVC plastic and hand-painted to show lobes. Can be removed from rotating metal harness. Guide indicates 50 labeled brain structures. One side of guide includes names, while other side shows only numbers for student assessment. Harness mounted on plastic stand.  
**SB51339 — \$279.13**

**I. 3B Scientific Human Ear**  
Enlarged three times. Dissectible into four parts. Removable ear ossicles with dissectible cochlea. 13¼" x 6¼" x 7¾" on base. Teacher's guide.  
**SB19254 — \$183.60**



**F. American 3B Giant Eye Model**  
Five times actual size. May be dissected into six parts. Upper half of sclera with cornea and eye muscle attachments, both halves of choroid with iris and retina, lens, and vitreous humor are removable. Comes on base with key card. 4¾" x 4¾" x 8½".  
**SB27614 — \$214.20**

**G. Snellen Eye Examination Chart**  
Wall chart for use at a distance of 20'. 11" x 22".  
**SB16711 — \$12.00**



△ See page 3 for complete Choking Hazard Label Information.

**ONLY AT NASCO**

**Nasco Inflatable Lungs Comparison Kit with Teacher Instructional DVD**  
Inflatable lungs provide an impressive and unforgettable hands-on demonstration by using real swine lungs. This kit is designed to demonstrate the effects of prolonged smoking, as well as compare the differences in color and texture of a simulated smoker's lung and a healthy lung. Nasco uses a nontoxic solution that retains the texture and elasticity of fresh lungs, to preserve them. The smoker's lungs have a palpable external tumor and a physical simulated internal tumor to encourage students to feel the texture of real lung tissue and its variations. This kit includes an inflation rack assembly with tray, an air pump, a simulated healthy and smoker's lung, a dried cross section of a lung, an instructional DVD, a teacher's guide, and storage containers. The guide provides a detailed illustration of internal/external anatomy and supplemental information about lung cancer, other smoking related diseases, and air pollutants as well as guidelines for handling, use and storage of the reusable swine lungs. **CHOKING HAZARD (I). Not for under 3 yrs.**  
**LS03769 — \$490.00**

Feel the texture and fragility of lungs

**ONLY AT NASCO**

**J. Nasco Healthy Inflatable Lungs Kit**  
Students can see and learn how lungs work by inflating and deflating them with a pump. Includes an inflation rack and tray, air pump, a pair of reusable, inflatable swine lungs, a section of dried swine lung, a teacher's guide, and a container for storing the lungs. **LS03765 — \$300.00**  
**LS03764 Nasco Inflatable Healthy Lungs Only — \$210.00**

**L. Nasco Dual Lungs Comparison Kit**  
Interconnected airway system with dual trays, air pump, pair of normal inflatable swine lungs, pair of simulated smoker's lungs, dried swine lung section, and 2 guides.  
**LS03802 — \$540.00**  
**Dual Lung Rack Update Kit.** Converts inflatable lung comparison kit to dual lung rack.  
**LS03805 — \$85.00**

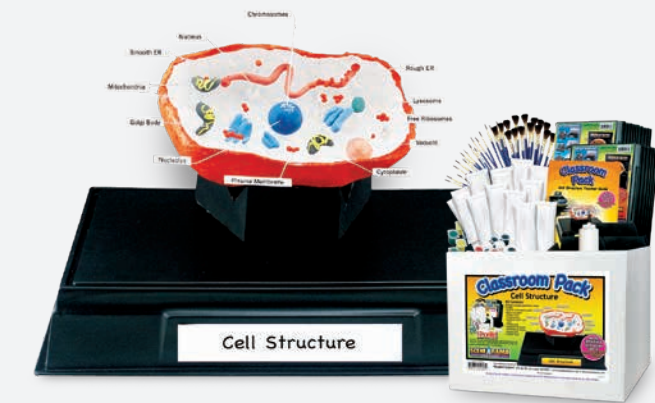
**ONLY AT NASCO**

**K. Nasco Smoker's Lungs Demonstration Kit**  
Realistically stained inflatable swine lungs provide an unforgettable demonstration of prolonged smoking. Simulated internal and external tumors on each lung remind that smoking is a known cause of lung cancer. Kit includes a teacher's guide, inflation rack and tray, air pump, dried cross section of unstained lung, and simulated smoker's lung. **LS03767 — \$310.00**  
**LS03766 Replacement Simulated Smoker's Lungs Only — \$220.00**  
**Nasco Lungs Maintenance Kit**  
Includes necessary materials plus special instructions for prolonging the life of your inflatable lungs. **LS03738 — \$38.50**  
**SB29032 Bellows Pump — \$25.95**

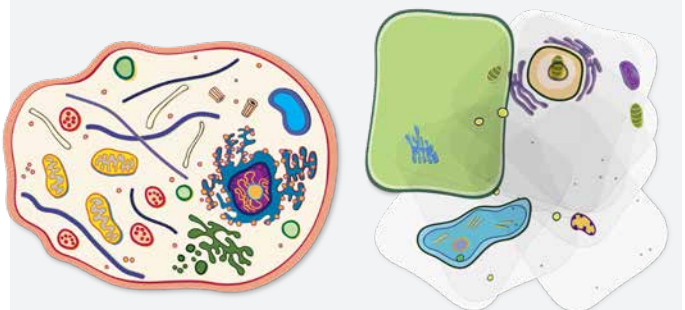




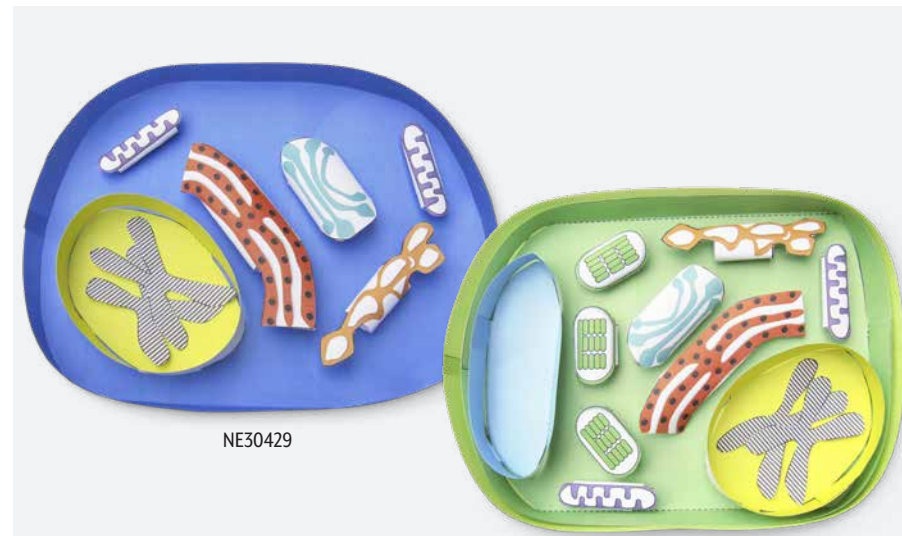
**Science Learning Center - Building Blocks of Life**  
**Gr. 6–8** Engaging, ready-to-use learning center designed for teacher-directed instruction or independent learning working in a group of 2–4 students. Includes laminated, double-sided game board, game pieces, 30 illustrated self-checking question cards, and zippered storage pouch. Also includes 4 Visual Learning Guides with self-directed readings, easy-to-follow illustrated explanations, guiding questions, graphic organizers, and assessment review questions. For up to 4 students.  
⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB53097 – \$35.95**



**Cell Structure Classroom Pack**  
**Gr. 3–8** Students will create their own cells in 5 sessions to reinforce the fundamental elements of any type of cell. Aids in meeting the expectations of the NSES for Life Sciences. For 12 individual or group projects.  
**SB45532 – \$119.95**



**Roylco® Cell Builders**  
Vibrant transparencies allow you to build the cell one layer at a time so you can focus on each organelle. The cell wall and membrane doubles as a clear tray that holds transparencies in place. Each kit includes tray and 9 transparencies.  
**NE30377 Animal Cell – \$14.99**  
**NE30378 Plant Cell – \$14.99**



**NewPath Learning® Cell 3D Model Kits**  
**Gr. 5–10** Colorful, easy-to-assemble model helps students learn about the main parts of an animal or plant cell. Each kit includes materials for 5 paper models for students working in groups. Includes NGSS-aligned teacher guide.  
**NE30429 Animal Cell (Blue) – \$34.95**  
**NE30430 Plant Cell (Green) – \$34.95**



**Lung Demonstration Apparatus**  
Uses break-resistant bell jar to represent thoracic cavity, rubber dam as diaphragm, Y-shaped tube as trachea and bronchial tubes, and two balloons as lungs. Manipulate diaphragm to inflate and deflate balloons. 11" x 5" x 5".  
**S07746 – \$55.00**



**4D Science™ Cell Complete Model Set**  
**Gr. 5–8** Assemble models to better understand composition and structure of plant and animal cells. Each model features detailed parts and transparent outside for viewing internal structures. 16".  
⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB51409 – \$64.95**  
**Animal.** 26 detachable parts. **SB49141 – \$35.95**  
**Plant.** 24 detachable parts. **SB49142 – \$35.95**



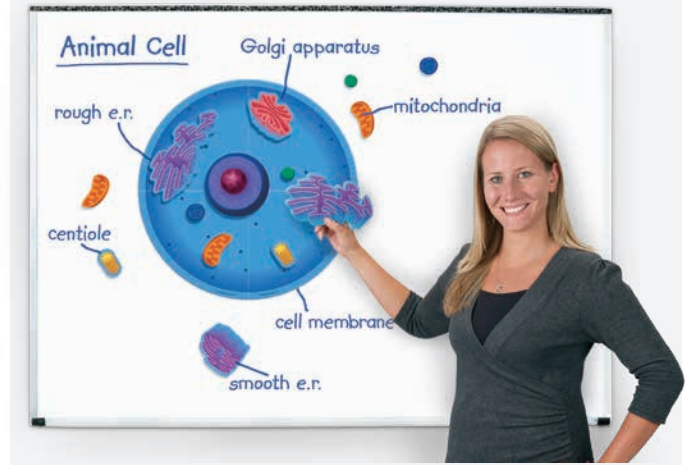
**Cell Model Set**  
Simple for elementary level, yet comprehensive enough for middle school. Made of resilient, nontoxic EVA foam. Includes animal and plant cell models listed below. Each hands-on model comes with a detailed teacher's guide including 5 inquiry-based lab activities, reproducible worksheets, assessment ideas, and more.  
⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB40956 – \$154.95**  
**Animal.** Topics include cell structure and function, osmosis, eukaryotes, bacteria, and more. **SB31407 – \$85.95**  
**Plant.** Topics include cell structure and function, osmosis, photosynthesis, pigments, and more. **SB31408 – \$85.95**



**Lung Volume Bag Kit**  
Silk-screened plastic bag measures lung capacity. Calibrated to 6 liters. Shows the relationship of body size to lung volume. Includes 4 lung bags, 4 mouth pieces, 4 mouth piece holders, 4 rubber bands, and instructions.  
**SB06915 – \$38.52**  
**Disposable Lung Mouth Tubes.** Pack of 100. **SB15812 – \$20.00**  
**Lung Volume Bags.** Pack of 4. **SB51112 – \$25.38**



**Cross Section of Cells Model Set**  
5" foam cross sections of a plant cell and an animal cell. One side in each cross section is labeled, the other side can be used for quizzes. Cross sections identify key organelles and their functions and comes with guide.  
**SB42004 – \$39.50**  
**Cross Section Models**  
**SB42003 Animal Cell (Blue) – \$21.00**  
**SB42002 Plant Cell (Green) – \$21.00**



**Magnetic Animal Cell Model**  
Cell structures are printed on raised foam magnet for a 3D effect. Coordinates with animal foam cell model to the left. Includes guide.  
**SB48210 – \$23.95**





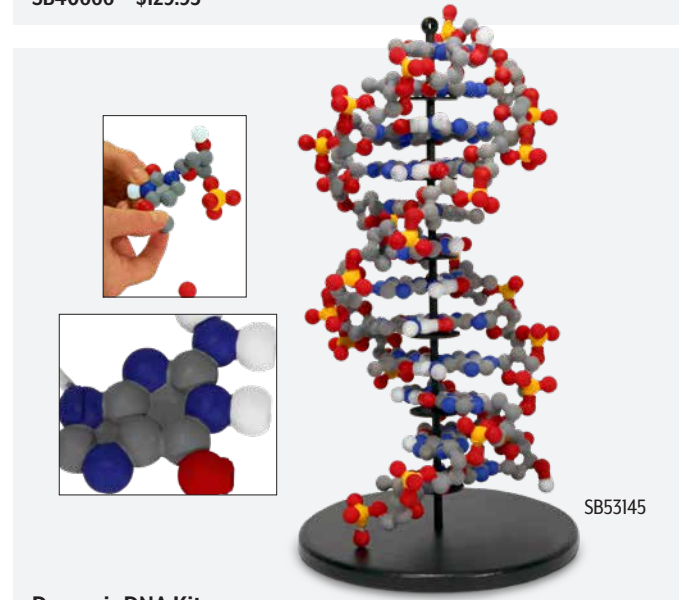
**DNA Extraction and Isolation Kit**

**Gr. 6+** Extract DNA from strawberries and examine physical properties. Provides everything necessary (except strawberries) to conduct two extractions. For 32 students working in 8 teams of 4. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB40666 – \$129.95**



**Strawberry DNA Extraction Kit**

**Gr. 5+** Learn how to retrieve and isolate DNA from a strawberry. For 32 students working in pairs.  
**SB50009 – \$84.95**



**SB53145**

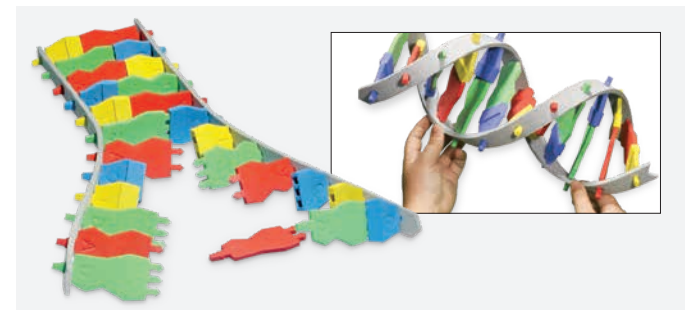
**Dynamic DNA Kits**

**Gr. 6+** Help students better understand how the genetic information in DNA is revealed and used. Accurate and easy to put together. Students can assemble the nucleotides, feel the hydrogen bonding of the A-T and G-C base pairs, and discover the double helical structure of DNA. Plus, they can twist and unwind the double helix to model DNA replication and RNA transcription. Each kit includes 5' hydrogen and 3' oxygen parts, oxygen atoms to model RNA; removable carbons for uracil; ATP, TTP, GTP, and CTP models; and teacher resources/lessons. Meets National Science Education Standards. For 4-8 groups of students. **NOTE:** Only available in the U.S. **CHOKING HAZARD (I).** Not for under 3 yrs.

**2 Base Pairs Kit.** Includes 1 A-T and G-C base pair.  
**SB53358 – \$58.00**

**6 Base Pairs Kit.** Includes 3 A-T and G-C base pairs.  
**SB53359 – \$156.00**

**12 Base Pairs Kit.** Includes 6 A-T and G-C base pairs, plus display stand.  
**SB53145 – \$298.00**



**DNA Starter Kit**

**Gr. 6+** Explore DNA replication and transcription with interactive foam model of double-stranded DNA and single-stranded RNA with color-coded DNA bases. Twist to transform from ladder shape to double helix. Two-group set includes 102 bases, 8 continuous gray backbones, 48 gray sugar-phosphates, and 24 lavender sugar-phosphates. Meets NGSS. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB49639 – \$100.00**



**Genetics & DNA Kit**

**Gr. 4+** Head into the lab for an in-depth investigation of genetics, heredity, and variation in organisms and DNA. Experiments involve isolating the DNA from a tomato in a test tube, playing inheritance games to determine how traits will be expressed, and assembling a model of DNA.  
**SB49267 – \$35.95**



**The Molecular Model of DNA and Replication Kit**

Build an eight-rung ladder segment of the DNA molecule. Flexible model is twisted to form the double helix structure. 12 model segments can be attached to each other to make a "giant" double helix DNA model that can also be coiled and will be more than 9'L. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB14279 – \$126.95**



**Individual DNA and Molecular Model Kit**

Construct a model of an eight-rung ladder segment of the DNA molecule, then build a molecular model of the basic components of the nucleotides of RNA and DNA. Components are reusable. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB13744 – \$49.95**



**WA28161**

**Glo Germ™ Kit**

Nearly invisible in ordinary light, Glo Germ™ (fluorescent plastic particles) glow under UV light. Used as a graphic illustration to show where bacteria can hide, the Glo Germ™ powder and oil reveal areas most often missed in hand washing. Can be used to demonstrate cross contamination and surface cleaning. Kit includes a hand-held 21 LED ultraviolet flashlight (requires three AA batteries, included), an 8-oz. bottle of Glo Germ™ oil (approximately 75-100 demos), a 1.9-oz. bottle of Glo Germ™ powder (approximately 75-100 demos), and a translucent plastic case.

**WA28161 – \$166.95**

**Glo Germ™ Kit.** Identical to the kit above (WA28161), except with a 9 LED ultraviolet flashlight.  
**WA28160 – \$114.95**

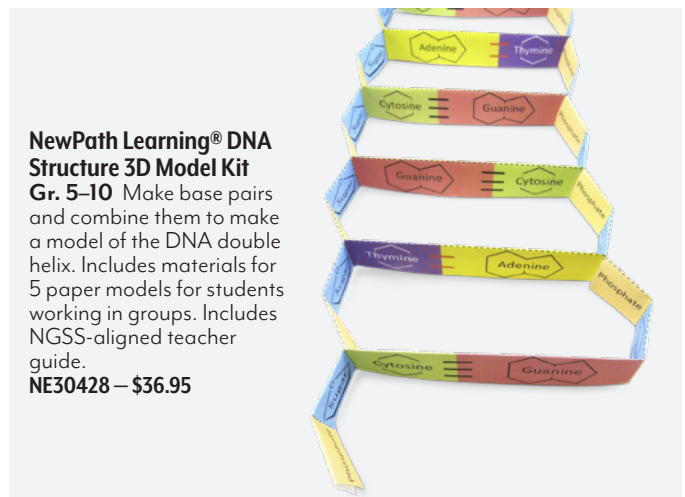
**Glo Germ™ Powder.** 4-oz. bottle (approximately 150-200 demos).  
**WA19097 – \$20.50**

**Glo Germ™ Oil.** 8-oz. bottle (approximately 75-100 demos).  
**WA19096 – \$21.50**



**Science Learning Center – Study of Heredity**

**Gr. 6–8** Engaging, ready-to-use learning center designed for teacher-directed instruction or independent learning working in a group of 2–4 students. Includes laminated, double-sided game board, game pieces, 30 illustrated self-checking question cards, and zippered storage pouch. Also includes 4 Visual Learning Guides with self-directed readings, easy-to-follow illustrated explanations, guiding questions, graphic organizers, and assessment review questions. For up to 4 students. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB53098 – \$35.95**



**NewPath Learning® DNA Structure 3D Model Kit**

**Gr. 5–10** Make base pairs and combine them to make a model of the DNA double helix. Includes materials for 5 paper models for students working in groups. Includes NGSS-aligned teacher guide.  
**NE30428 – \$36.95**



FORENSIC SCIENCE

Forensics is a great way to draw students into making scientific inquiries. Through hands-on lessons and high-interest scenarios, they will apply critical-thinking and problem-solving skills to find evidence and crack a case.

Don't miss NEW fingerprinting items on p. 33!



**ONLY AT NASCO**  
**EXCLUDED FROM DISCOUNTS**

**Includes digital guide**

**Nasco CSI Forensics Classroom Kit**  
**Gr. 5–8** Immerse students into scenarios such as a classroom break-in, interrogation, and vending machine caper. Perform fingerprinting, simulated blood patterns, fabric testing, plaster casts, and more. For 24 students. **CHOKING HAZARD (1,2)**. Not for under 3 yrs. **SB52385 – \$615.00**



**The Case of the Kidnapped Cookies**  
**Gr. 5–8** Figure out which staff members took the cookies. Clues include a stained ransom note with envelope, white powder, and soil. For 30 students. Requires a microscope (not included). **SB42523 – \$224.95**



**The Case of the Lost Skull**  
**Gr. 5–8** An animal skull has been found with money stuffed inside and potential evidence in the area. Students analyze fingerprint, blood, hair, fiber, imprint, and documentation evidence over the course of 5 days. For 30 students. Requires a microscope (not included). **SB42519 – \$224.95**



**BEST SELLER**

**The Case of the Missing Mascot**  
**Gr. 5–8** Left at the scene is a note, leaves, a mouth guard, and white fibers. Investigations include analyzing DNA results; using dichotomous keys to identify selected plants; analyzing handwriting, fingerprints, and bite marks; and a fiber flame test. For 30 students. **SB42521 – \$224.95**



**EXCLUDED FROM DISCOUNTS**

**Z51518**

**Rogue Rodent Mystery: A Study in Forensic Science**  
**Gr. K–1** Students work together to determine which of 4 suspects stole Alice the guinea pig from her classroom. Lessons have students investigate the crime scene, interview suspects and witnesses, examine evidence, and more. 10 lessons; approximately 1 hour each. For 30 students.

**Summer Camp Kit.** Includes 103-page instructor's guide, introductory video on DVD, teacher resource CD, preprinted student handouts, and all needed supplies. **Z51518 – \$749.00**

**Classroom Kit.** Includes 103-page instructor's guide, introductory video on DVD, teacher resource CD, and essential supplies. **EL16550 – \$399.00**

**Missing Money Mystery: A Study in Forensic Science**  
**Gr. 2–3** Work to solve the mystery of the stolen funds and determine the guilty party. Lessons have students collect evidence from the crime scene and examine evidence using real forensic techniques such as forensic fiber analysis, lifting lip prints, and exploring genetic markers. 12 lessons; approximately 1 hour each. For 30 students.

**Summer Camp Kit.** Includes 107-page instructor's guide, teacher resource CD, preprinted student handouts, and all needed supplies. **Z51519 – \$749.00**

**Classroom Kit.** Includes 107-page instructor's guide, teacher resource CD, preprinted student handouts, and essential supplies. **EL16551 – \$399.00**

**Cookie Jar Mystery: A Study in Forensic Science**  
**Gr. 4–5** Students will examine and analyze forensic evidence to solve the mystery of the broken cookie jar. Facilitates scientific observation, sample examination, analysis, lab work, testing, and more. 12 lessons, approximately 1 hour each. For 30 students.

**Summer Camp Kit.** Includes 110-page instructor's guide, teacher resource CD, preprinted student handouts, and all needed supplies. **Z51520 – \$749.00**

**Classroom Kit.** Includes 110-page instructor's guide and essential supplies. **EL16549 – \$399.00**



**Innovating Science® Forensic Analysis of Fabric and Fibers Kit**  
**Gr. 5+** Introduce students to fabric and fiber analysis with experiments covering cloth weave identification, microscopic fiber analysis, burn testing, and chemical analysis. For 10 groups. **◆ EL15811 – \$152.00**



**Forensic Toxicology**  
**Gr. 6+** Students will use different lab techniques to determine the presence of alcohol, drugs, and pain medications in the simulated urine samples of suspects. Includes teacher's manual and student study guide copy-masters. Enough materials for 30 students. **SB53066 – \$154.00**



**Crime Scene Investigations**  
**Gr. 6+** Solve crimes ranging from check forgery to murder. 68 lessons with teacher background info and activity sheets. 288 pages. **SB39171 – \$39.95**



**BEST SELLER**

**Contamination of Carter Creek Environmental Forensics Kit**  
**Gr. 6+** The creek near a paper and plastics business has been polluted. Find the nature of the contamination and locate its source. For 24 students working in pairs. **◆ SB50011 – \$74.95**

▲ See page 3 for complete Choking Hazard Label Information.

◆ DOT hazardous material ◆ Subject to DOT hazardous material surcharge.



BEST SELLER



**Forensic Science: Introduction to DNA Fingerprinting**

**Gr. 4-8** Begin with a crime scene, an eyewitness report, and “video stills,” then construct a model of a “chromosome” with color-coded “genes” representing some physical traits of the suspects. 5 activities. For 15 groups of 2. Materials are reusable. ⚠️ CHOKING HAZARD (1). Not for under 3 yrs. SB27541 – \$286.55

**Nasco Latent Fingerprint Kit and Poster Set**  
 Illustrates the 3 main fingerprint patterns (whorl, arch, and loop) with 3 laminated posters (11" x 16½" each) and 3 double-sided TearPads™ (50 sheets, 8½" x 11" each). Also includes latent fingerprint kit.  
**SB52384 – \$83.95**

**Latent Fingerprint Kit Only.** Includes 2 oz. bottle of bichromatic magnetic fingerprint powder, magnetic powder applicator brush, 1½" x 360" roll of clear fingerprint lifting tape, and a pad of 100 glossy 3½" x 5" latent print backing cards. Comes in a sturdy, protective carrying case.  
**SB51457 – \$54.95**

ONLY AT NASCO

Learn what to look for and then put it into practice!



**Forensic Chemistry of Blood Types**

**Gr. 6+** Determine blood type of 4 simulated samples (victim, suspect #1, suspect #2, and crime scene) to figure out whodunit. For 15 groups. SB43607 – \$60.95



**Forensic Chemistry: Hair Analysis**

**Gr. 6+** Discover how forensic scientists use hair to assist in solving crimes. For 15 groups. SB43606 – \$80.95



**Clear Evidence Jars**

Clear plastic jars with tight-fitting, lined screw-top lids.

Product No.	Volume	Each
SB51385	2 oz.	\$1.00
SB51386	4 oz.	\$1.50
SB51387	8 oz.	\$2.15



**Nasco Magnetic Fingerprint Kit**

Includes 1-oz. bottle of bichromatic magnetic fingerprint powder, magnetic powder applicator brush, 360"L x 1½"W roll of clear fingerprint lifting tape, 2-oz. clear specimen jar with cap, and a pad of 100 glossy 3½" x 5" latent print backing cards.  
**SB51456 – \$59.95**



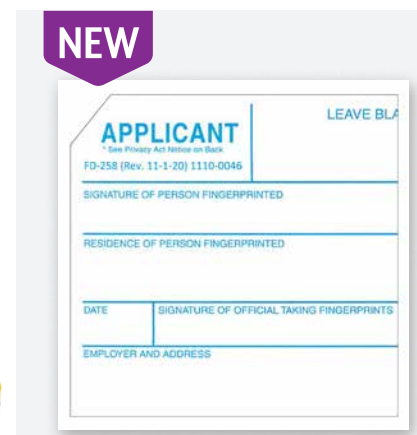
**Whose Fingerprints Were Left Behind? Experiment Kit**

**Gr. 6+** Use latent prints and a UV light source in a “whodunit” activity. Required but not included: alcohol, UV long wave light source (mineral light), safety goggles, and a towel or washcloth. 50 minutes. For 10 lab groups. SB39287 – \$80.95

EXCLUDED FROM DISCOUNTS

See p. 63 for forensic gloves

**Crime Scene Barricade Tape**  
 Comes in dispenser box. 1,000' x 3".  
**SB49303 – \$29.95**



**Crime Scene® Fingerprint Cards - Pack of 50**

Cards are form No. FD-258 version: 11-1-20 used by the FBI, Bureau of U.S. Citizenship and Immigration Services, and police agencies for noncriminal fingerprinting. Pack of 50.  
**NE30521 – \$16.95**



**Fingerprinting Ink Pad**

Ink dries almost instantly, preventing smudging or smears. Fingerprints produced will meet all state and federal requirements. Average 1,000 prints. No special hand cleaners required. 1.5" pad.  
**NE30519 – \$14.75**









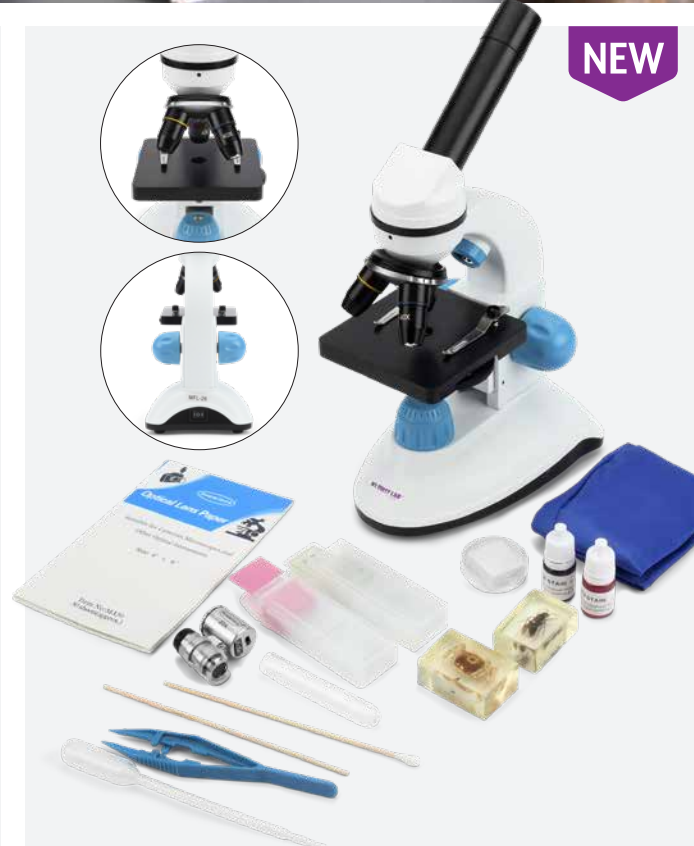
**NEW**



**My First Lab™ Duo Scope**

**Gr. 5-8** Both a compound microscope and a stereoscope. Cordless; battery-operated; lab-grade objectives for 40X, 100X, and 400X magnification; dual focusing knobs. Lightweight and durable ABS plastic. Includes 13 accessories for lab exploration plus instruction manual and guide.  
**NE30599 – \$178.00**

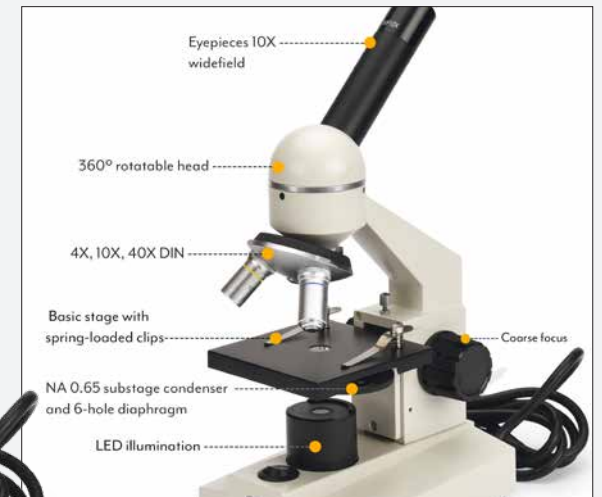
**NEW**



**My First Lab™ Mega Duo Scope**

**Gr. 5-8** Both a compound microscope and a stereoscope. Cordless; battery-operated; lab-grade objectives for 40X, 100X, and 400X magnification; dual focusing knobs. Lightweight and durable ABS plastic. Includes mini microscope, 13 accessories, and experiment book.  
**NE30600 – \$190.00**

**BEST SELLER**



**National Elementary Standard Microscope**

- Revolving wide-field 10X eyepiece, 45° inclined head with pointer, rotates 360°
  - Achromatic, color-coded 4X, 10X, 40XR
  - 40X, 100X, and 400X magnification
  - LED illumination
  - Slip clutch
  - Rack stops
- SB52272 – \$179.95**

- Locked-on, spring-activated stage clips
- Cast metal frame
- Oversized focusing knobs range between normal coarse to fine focus
- Three-wire cord and plug
- Vinyl dust cover
- 11"H with 3½" x 3¼" stage



**MicroPro™ Elementary Microscope Kit**

Features glass eyepieces and power settings from 50X to 600X for superior precision viewing.

- Die-cast metal microscope
- 10X and 20X glass eyepieces
- 3 prepared slides
- 8 blank slides
- Lab supplies
- 18-page instruction and activity guide
- Requires 2 "AA" batteries, not included

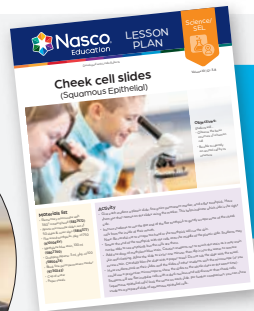
**SB39462 – \$59.95**



**BEST SELLER**



SB24173



To download this free lesson plan, visit [nascoeducation.com/lesson-plans](http://nascoeducation.com/lesson-plans) and search U27706

### Nasco Middle School Standard Microscopes

#### Specifications:

- Wide-field locked-on 10X eyepiece with pointer
- 360° rotatable head
- DIN objectives are parfocal, parcentered, achromatic, color-coded 4X, 10X, 40XR (retractable)
- Triple nosepiece with positive click stops
- Coarse and fine coaxial focusing with built-in slip clutch
- Fluorescent illumination
- Locked-on spring-loaded stage clips
- Three-wire cord
- Dust cover

Product No.	Head	Eyepiece	DIN Objectives	Stage	Illumination	Each
SB24173	Monocular	WF10X/pointer	4X, 10X, 40XR	0.65 NA condenser 5-hole disc diaphragm	20-watt LED	\$220.00
SB25252	Monocular	WF10X/pointer	4X, 10X, 40XR	Add-on mechanical stage side adjustment	20-watt LED	\$255.00
SB37674	Monocular	WF10X/pointer	4X, 10X, 40XR	0.65 NA condenser 5-hole disc diaphragm	LED cordless	\$290.00



SB41021

### Nasco Standard Stereo Microscope

Has all the quality and basic features necessary for dissection, botany, and earth sciences.

#### Specifications:

- 45° inclined head
- Head raises, lowers, rotates 360° on pillar
- Paired wide-field eyepieces with rubber eye shields
- Interpupillary adjustment
- Diopter adjustment on one side
- Rack-and-pinion focusing protected by slip clutch
- Tension control adjustment eliminates drift
- LED lighting
- High-intensity, low-voltage illumination
- Reversible black/white stage plate (also includes frosted glass stage plate)
- All parts lock on
- Base mounted on/off switch, three-wire safety cord and plug
- Dust cover

Product No.	Eyepiece	Objectives	Magnification	Illumination	Each
SB26447	WF15X	3X	30X	Top and bottom LED corded	\$305.00
SB41021	WF10X	2X	20X	Top and bottom LED cordless	\$266.00

### Nasco Middle School LED Standard Microscopes

Precision-built, tamper-proof microscopes incorporate high-resolution, flat field objectives with wide-angle viewing.

#### Specifications:

- 10X wide-field eyepiece, locked on with calibrated pointer
- Monocular 45° inclined head or 45° dual view head — both with 360° rotation
- Reverse nosepiece
- Objectives are DIN achromatic, parcentered, parfocal, and color coded 4X, 10X, 40XR
- Positive stops at both ends of travel
- Tension adjustment eliminates stage drift
- LED illumination
- Coaxial coarse and fine focusing
- Dust cover and instructions
- Spring-loaded stage clamp
- Large plain stage (4¾" x 4½") with spring clips, 0.65 N.A. condenser, and iris diaphragm
- Cordless microscopes are rechargeable

Product No.	DIN Objectives	Stage	Head	Illumination	Voltage	Each
SB37509	4X, 10X, 40XR	0.65 N.A. condenser with iris diaphragm	Monocular	LED corded	110V	\$291.00
SB41037	4X, 10X, 40XR	0.65 N.A. condenser with iris diaphragm	Monocular	LED cordless	110V	\$320.00
SB41036	4X, 10X, 40XR	0.65 N.A. condenser with iris diaphragm	45° Dual	LED corded	110V	\$307.00
SB41035	4X, 10X, 40XR	0.65 N.A. condenser with iris diaphragm	45° Dual	LED cordless	110V	\$342.00



SB37509



### Intermediate Student Microscope with LED Light

- Metal construction
- Rotatable head
- Fine focus control
- Objective lenses 4X, 10X, and 40X
- 100,000-hour, 4.5V LED cool illumination light
- Built-in 15-hour rechargeable battery
- Detachable AC power cord

SB45405 110V — \$155.00



### Premiere® Middle School Standard Microscope

Features LED lighting and a mechanical stage for smooth observation.

#### Specifications:

- Wide-field 10X eyepiece with pointer
- Monocular, 45° inclined and rotatable 360°
- 4X, 10X, and 40X objectives
- Total magnification: 40X to 100X
- Brightfield, cool LED illumination and 6-hole disc diaphragm
- Coaxial coarse and fine focusing controls
- Mechanical stage
- Stage dimensions: 3¼" x 3¼"
- 110V power supply

SB52649 — \$180.00

### National Middle School Standard Microscope

Includes heavy vinyl dust cover.

#### Specifications:

- Wide-field 10X eyepiece with revolving pointer (dual head model includes eyepieces in both viewing tubes)
- 45° inclined viewing head rotates 360°
- Objectives 4X, 10X, and 40XR on ball-bearing mounted 3-hole nosepiece are parfocal, parcentered, low-reflection coated
- 110 mm x 120 mm stage with locked-on stage clips or optional graduated mechanical stage
- In-stage 0.65 condenser lens
- Low-position coarse and fine focusing knobs
- Safety rack stop prevents damage to lenses or slides
- LED illumination provides virtually no heat and 50,000 hours of bulb life

Product No.	Model	Head	Illumination	Each
SB42834	131-CLED	Monocular	LED cordless	\$310.00
SB44745	132-CLED	Dual	LED corded	\$401.00



SB42834

SB44745



**BEST SELLER**



EXCLUDED FROM DISCOUNTS

### Celestron® LCD Digital Microscope II

Change powers from 40X to 100X to 400X (up to 1600 with 4X digital zoom) with a turn of the three-position rotating lens turret. TV output allows television or projector displaying.

**Specifications:**

- Full-color 3½" TFT LCD screen with software rotates 180°
- Fully adjustable mechanical stage
- 3 fully achromatic objective lenses (4X, 10X, and 40X lenses on rotating turret)
- 3-position nosepiece
- Upper and lower built-in adjustable LED illuminators
- NA 0.65 condenser
- Capture and save still images and video (built-in 5 MP camera sensor and included 1 GB SD card)
- Use AV cable with external monitor, projector, or TV screen
- Included accessories: dust cover, canvas carry case with shoulder strap, 5 prepared slides, and four-plug multi-country AC adapter
- Includes Exploring Cell Curriculum; Grades 6-8: Life Science, Technology, and Mathematics
- Complies with NGSS MS-LS1-1 and MS-LS1-2
- 6½" x 5½" x 13"
- Stage dimensions: 3½" x 3½"

**SB49573 – \$299.95**



EXCLUDED FROM DISCOUNTS

### LED Monocular Compound Microscope with Detachable Tablet

Digital compound microscope with detachable 8" LCD tablet. High-speed, full-resolution imaging technology built in. Use Wi-Fi® tablets, wireless laptops, and HD-ready LCD monitors/projectors to share live images to iOS or Android™ devices. Tablet includes preloaded MotiC apps.

**Microscope Specifications:**

- Wide-field 10X/18 mm eyepiece
- 30° inclined forward-facing monocular head
- 4X, 10X, and 40X achromatic objectives
- 70 mW, 3.5V rechargeable LED illumination with intensity control
- Separate coarse and fine focus
- Floating and rotating stage with one-touch stage clips
- Cast aluminum, gray enamel finish

**Tablet Specifications:**

- 8" LCD Android™ tablet
- 1280 x 800 screen resolution
- Wi-Fi, mini HDMI, and Micro SD card connections
- 5.0 MP sensor and capture
- 1080 HDMI
- Wi-Fi resolution 2.0 MP – 5.0 MP
- 720P capture video resolution
- Built-in MotiC Hub for wireless sharing

**Z52095 – \$874.00**

## TURN YOUR MICROSCOPE INTO A DIGITAL CAMERA

Use the free MotiConnect app to view, capture, and edit live images

### Moticam A1 Digital 1.0 MP Microscope Camera

Turn your microscope into a camera. 1 MP resolution; display modes: 1280 x 720, 1024 x 768. Includes focusable lens, 30 mm and 38 mm eyepiece adapters, calibration slide, macro viewing tube, C-ring, USB cable, and dust cap. See specs online.

**NE30392 – \$236.00**



### Moticam A2 Digital 2.0 MP Microscope Camera

Turn your microscope into a camera with full 2.0 MP HD resolution. Includes focusable lens, 30 mm and 38 mm eyepiece adapters, calibration slide, macro viewing tube, C-ring, USB cable, and dust cap. See specifications online.

**NE30393 – \$355.00**



### Moticam A5 Digital 5.0 MP Microscope Camera

Turn your microscope into a camera with full 5.0 MP live resolution. Includes focusable lens, 30 mm and 38 mm eyepiece adapters, calibration slide, macro viewing tube, C-ring, USB cable, and dust cap. See specifications online.

**NE30394 – \$473.00**



### Moticam X5 Digital 4.0 MP Microscope Camera

Turn your microscope into a high resolution 4.0 MP streaming camera that connects to Wi-Fi. Includes CS ring adaptor; 2 eyepiece adaptors to fit eyepiece O.D.s of 28 mm–38 mm; USB cable (removable) for use with switching power adapter; calibration slides; software CD MotiC Images 3.0; and macro viewing tube. See specifications online.

**NE30395 – \$422.00**



### Celestron® Handheld Digital Microscope Pro

Fits in the palm of your hand. Five-element, IR-cut, high-quality glass lens provides sharper images and previews. Includes professional adjustable stand. Downloadable MicroCapture Pro software works with both Macintosh® and Windows®.

**Specifications:**

- 20X-200X powers
- 4X-160X magnification
- 5 MP sensor takes and saves high-resolution images
- 10 mm-infinity focuser range
- 1 second-1/1,000 second shutter speed with trigger on USB cord
- Adjustable still image resolution of 5 MP, 3 MP, 1.3 MP, VGA (12 MP with interpolation)
- Video capture resolution: VGA, 30 fps
- USB 2.0 computer interface
- 5¾" x 4¾" x 2"

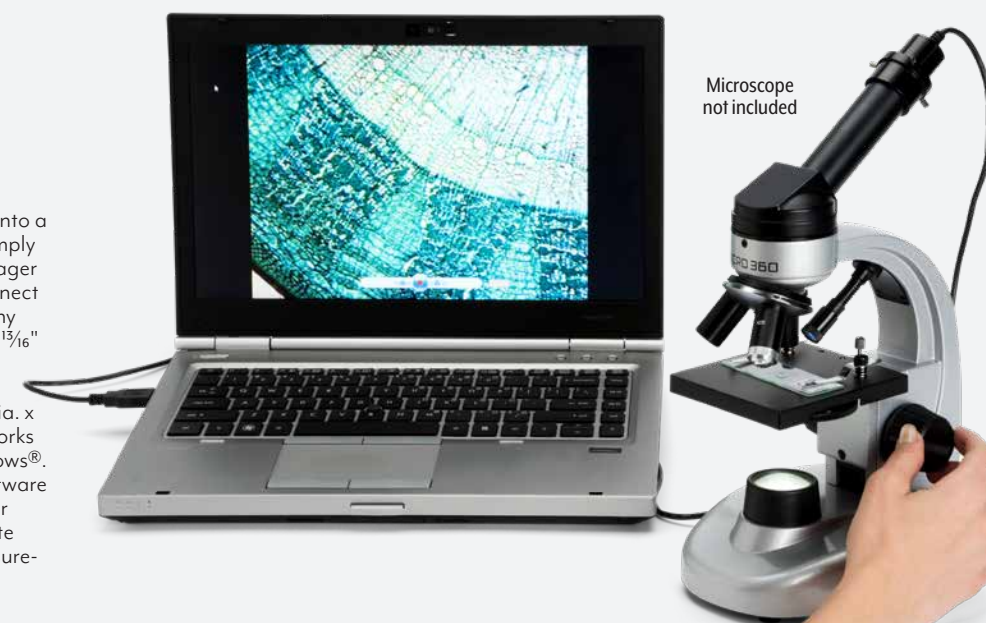
**SB49688 – \$179.95**



### Celestron® Digital Microscope Imagers – 2MP

Turn your traditional microscope into a high-resolution digital imager. Simply replace your eyepiece with the imager and use the USB 2.0 cable to connect it to your computer. Works with any traditional microscope with 7/8" to 13/16" (23 mm to 30 mm) dia. eyepiece. Takes high-resolution still images and 30 fps streaming video. 7/8" dia. x 2½"H. Downloadable software works with both Macintosh® and Windows®. Included S-Viewer Windows® software captures images and video of your discoveries. Measure and annotate your specimens with built-in measurement and marking tools.

**SB53147 – \$79.95**



Microscope not included



EXCLUDED FROM DISCOUNTS



### NexYZ 3-Axis Universal Smartphone Adapter

Connects your smartphone to telescopes, spotting scopes, binoculars, monoculars, and microscopes to capture images and video. Directional knobs (x-, y-, and z-axis) perfectly align your phone's camera with the eyepiece in seconds. Fits any eyepiece from 25–60 mm with included adapter ring. Adjustable platform fits any smartphone device. Control x-, y-, and z-axis.

SB53069 — \$74.95



### Universal Smartphone Optics Adapter

Place your smartphone or tablet (with or without a case) into phone clamp, then attach to any optic. Self-centering adapter fits any 28–58 mm eyepiece. Glow-in-the-dark rubber makes it easy to use and set up in low-light conditions. Squeeze-and-release connection. Protective case. 5<sup>3</sup>/<sub>16</sub>" x 2<sup>1</sup>/<sub>2</sub>" x 5<sup>13</sup>/<sub>16</sub>".

EL12172 — \$72.95

Create a mobile microscope with any smartphone



### Smartphone Inspector

Transform any smartphone or tablet into a mobile microscope. Zoom in, take pictures, or capture video close up. 60X illumination, LED and UV lights, adjustable viewing distance, clip, and carrying pouch.

SB25207 — \$10.25



### MicroMax LED™ Pocket Microscope

Extremely lightweight and portable.

- Built-in LED light
- 60X–100X magnification
- Rubberized eyepiece

SB50625 — \$15.99



### Illuminated Zoom Pocket Microscope

Precision illuminated zoom microscope.

- 60–100X magnification power
- Adjust focus by turning wheel
- 1<sup>3</sup>/<sub>4</sub>" x 5<sup>5</sup>/<sub>8</sub>" L
- Vinyl storage cover
- Requires 2 "AA" batteries (not included)

SB20198 — \$20.50



### A. Magnifying Lens

Plastic frame. 3X magnification. Set of 24 assorted colors. 5<sup>1</sup>/<sub>2</sub>" L x 2" W. **CHOKING HAZARD (I).** Not for under 3 yrs.

SB30348 — \$55.49

### B. Round Glass Magnifiers

Glass with plastic frame and handle designed for better conformity to natural grip of hand. 2X power.

SB16443 2" dia. — \$2.50

SB16444 3" dia. — \$5.00

### C. Round Glass Magnifiers

General-purpose glass magnifiers suitable for routine examination of biological and geological specimens. Chrome rims with black plastic handles. 2–2.5X.

SB16441 3" dia. — \$6.50

SB16442 4" dia. — \$6.75

### D. Hand Magnifier

Student magnifier molded of optical grade acrylic. 3X magnification with a 1<sup>3</sup>/<sub>8</sub>" dia. lens.

SB18007 — \$1.50

### E. Hand Magnifier

Dual magnifier, 3X and 6X. Plastic frames. 4<sup>1</sup>/<sub>2</sub>" L.

SB18031 — \$1.65

### F. Large Dual Magnifiers

Plastic body with 2 glass lenses. 5X lens with 2<sup>1</sup>/<sub>8</sub>" dia. viewing area works well for basic magnification, while 3<sup>3</sup>/<sub>4</sub>" lens with 8X power is ideal for providing extra detail while remaining separate from the main lens. Pkg. of 12; 6<sup>1</sup>/<sub>4</sub>" L.

SB48968 — \$14.95

### G. Tri-Lens Hand Magnifier

Plastic. 2X, 6X, and 8X magnification. Lens diameter: 25 mm.

SB26577 — \$2.35

### H. BugLoupe™

This magnifier allows you to see the finest details. Pre-focused for quick, easy viewing at 5X power. 4" x 4" x 3".

SB33381 — \$14.95

### I. Tripod Magnifier

Black aluminum tripod. Plastic lens holder has worm screw adjustment. Two 1" precision polished biconvex lenses magnify 10X.

SA04452 — \$8.95

### J. Acrylic Magnifier Boxes

Acrylic box has molded magnifier with 4X power that snaps on and off. 1" x 1" x 3<sup>3</sup>/<sub>4</sub>".

SB10304 — \$1.90

**Large Magnifier Box.** Big 1<sup>1</sup>/<sub>2</sub>" cube with magnifier slip lid.

SB10305 — \$2.95

### K. Triple Folding Pocket Magnifiers

Triple-lens magnifier with three 5X lenses for possible magnifications of 5X, 10X, and 15X. Lens diameter: 22 mm.

SB26079 — \$4.75

### L. Pocket Loupe

Foldout doublet magnifier with 10X lens. Length open 2<sup>1</sup>/<sub>2</sub>" (63 mm), lens aperture 1<sup>1</sup>/<sub>2</sub>" (13 mm), focal length 1" (25 mm). **CHOKING HAZARD (I).** Not for under 3 yrs.

SA09134 — \$8.95

See page 3 for complete Choking Hazard Label Information.



Visit [nascoeducation.com](http://nascoeducation.com) to watch a demonstration

## EASY AS 1-2-3

Non-glass, bendable, and unbreakable

ONLY AT NASCO



Peel off covering



Specimen sticks to slide



Slide sticks to stage

### Nasco Sticky Slides

No more broken glass slides, scratchy plastic, or hard-to-use cover slips. Simply remove protective covering, stick specimen to slide, and view. Reusable. 6" strips are perforated at 1½". A 1½" slide works well for elementary standard mirror or prism-optic microscopes. A 3" (or more) slide works well for stereo microscopes. Pkg. of 5 strips yields 20 slides. **CHOKING HAZARD (1). Not for under 3 yrs.**

SB38432 — \$13.50



Plastic

### Plastic Slide Lab Pack

50 unbreakable 1" x 3" slides and cover slips (22 mm square), as well as a booklet of 50 sheets of lens tissue.

SBI6377 — \$12.50



Plastic

### Plastic Micro Slides

Made from optically clear Rinzl vinyl. Will not break, scratch, or cut fingers. For all types of mounting. Disposable. 1" x 3" x .0180–0.22 thick. Box of 144.

SB14080 — \$8.95



Plastic

### Plastic Coverslips

Unbreakable, flexible, and non-curling. Boxes of 100.

SB47348 18 x 18 mm — \$2.95

SB47349 22 x 22 mm — \$3.75



### Bibulous Paper

Highly absorbent, white fiber paper for drying slides and other small lab glass items. 4" x 6" booklet contains 50 sheets.

SB08543 — \$3.05



NE30452

### United Scientific Slide Storage Boxes

Sturdy two-piece boxes hold standard 3" x 1" microscope slides. Feature engraved numbering and reference card. Molded high-impact polystyrene.

NE30451 25 Slides — \$4.25

NE30452 50 Slides — \$5.55



NEW

### My First Lab™ Prepared Slides

72 specimens (24 slides with 3 specimens each), including plants, insects, pollen, fibers, and many more! Shatterproof plastic. Each slide: 3 mm x 1 mm x 1 mm.

NE30601 — \$33.00



BEST SELLER

Explore blood, bones, muscles, and more

### Student Grade Life Science Slide Set

These 13 slides include normal human blood smear; blood smear of sickle cell anemia cells; ground human bone; *Coprinus* (fungus) section; foliose thallus and apothecia section; *Physcia stellaris*, hair (1 each of cat, human, and sheep); leaf section, *Syringa vulgaris* (lily), striated human muscle; roof tip section of *Allium* (onion) showing mitosis; Caucasian human skin; and 3 blank slides. Comes with box to hold 25 slides.

SB52950 — \$46.00



BEST SELLER

### Microscope Slides

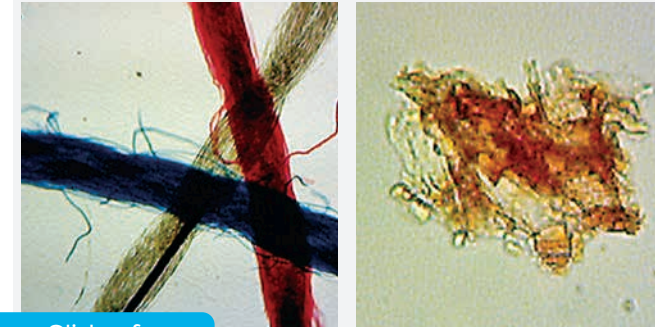
#### Key to Abbreviations:

- w.m. — whole mount
- c.s. — cross section
- t.s. — transverse section
- l.s. — longitudinal section
- sec. — section of unspecified orientation
- sq. or sm. — squash or smear preparation
- o.s.s. — on single slide

### Prepared Slides Set

Set of 25 slides in wooden storage box. Mitoses in plants: pollen grains, w.m.; amoeba, w.m.; yeast cells, w.m.; green algae/spirogyra, w.m.; letter "e", tape worm, t.s.; silk fabric, w.m.; lily leaf, v.s.; mammal lung, t.s.; meiosis in animals; Aves feather, w.m.; lily stamen, t.s.; mammal hair, w.m.; mosquito mouth parts, w.m.; housefly mouth parts, w.m.; frog blood smear; human blood smear; onion cells, w.m.; hibiscus stem, t.s.; wool fabric, w.m.; fish scale, w.m.; skeletal muscle, w.m.; herbaceous stem, young, t.s.; and skin cells, v.s.

SL10016 — \$69.95



Slides for the beginner

SL10018

SL10019

Product No.	Description	Each
SL10018	Colored thread, w. m. Yellow on blue on red. Threads crossed, designed to aid in the teaching of focusing of a microscope	\$3.15
SL10019	Cork section	\$3.55
SL10023	Letter "e", w.m. Useful for introducing students to the microscope by demonstrating reversal of direction and image	\$3.25



Four specimens per slide

### Enclosed Prepared Slides — Complete 48-Specimen Set

Prepared glass slides of permanently preserved specimens. Safe glass slides protected for safety. Set includes different examples of pollen/spores, textiles, insects, tiny creatures, animals, and plants. Contains 12 slides, 48 specimens. Four labeled specimens per slide.

SL10012 — \$24.95



**CHEMISTRY**

Atoms, isotopes, organic structures, DNA, chemical reactions, elements, inorganics, molecules, compounds — chemistry explores it all!

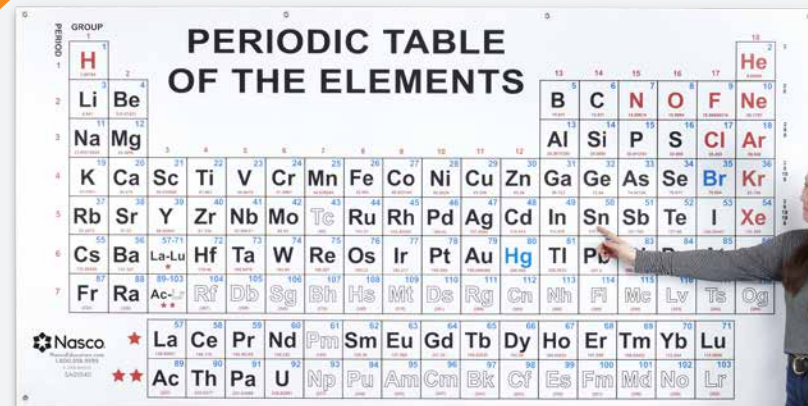
Get your students excited for hands-on learning with kits, molecular models, chemicals, and more essential supplies.

Periodic Tables **46**

Lab Kits **47-49**

**BEST SELLER**

**ONLY AT NASCO**



**Nasco Basic Periodic Table**

Large size, type styles, and three-color printing ensure maximum visibility. 118 elements. Corrugated plastic folds into quarters for storage or tabletop use. Grommets for hanging on wall or from ceiling.

SA05540 96" x 48" — \$175.00  
SB53270 58" x 42" — \$139.95



Grommets for hanging



**Stick to Science Magnetic Periodic Table Investigation**

**Gr. 5-10** Use this investigation of the first 20 elements of the periodic table to illustrate the core concepts of atomic theory. This selection of element cards that stick to a black or white board is designed to minimize the extra information while focusing on essential points. Students become active learners by discovering concepts and trends as they sequentially build the table. The cards can be used to illustrate several major concepts. Includes elements 1-20 and hydride (H-). Also includes 14 additional cards (four hydrogen, three oxygen, two chlorine, one fluorine, two sodium, and two potassium).

SB47691 — \$27.95



**Photographic Periodic Table**

**Gr. 2+** Shows photos of 118 elements that represent their diversity of texture, crystal structure, and color. Reverse side has technical data about each element along with a brief description. 53"W x 27"H.  
SB43808 — \$36.95



**Thames & Kosmos® Chemistry C500**

**Gr. 4+** Through fun activities like writing messages in invisible ink or performing "magic" tricks, students can learn about reactions between solids, liquids, and gases; the effects of acids and bases; and how to use common lab tools. Includes 48-page manual and equipment and chemicals for 28 safe experiments.  
NE30401 — \$35.95



**Thames & Kosmos® Chemistry C1000**

**Gr. 4+** 80-page manual introduces famous chemists, teaches how to set up a lab space and safely handle lab equipment and chemicals, and includes detailed instructions for 125 experiments. Includes all the equipment and chemicals you need.  
NE30402 — \$64.95

**Chemistry Bit Set**

Set of 14 mini-chemistry kits. Topics include polarity of water, spectrum, crystal gel, and more. Each includes several activities and experiments, enough material for several trials, and instructions. **CHOKING HAZARD (1)**. Not for under 3 yrs.  
SB39050 — \$43.95



**BEST SELLER**



Expands 30 times the original volume

**Polyurethane Foam**

**Gr. 6+** Mix 2 viscous liquids together to initiate a reaction producing polyurethane foam that expands to 30 times the original volume.  
SB43580 — \$67.95

**Exothermic/Endothermic Combination**

**Gr. 6+** Reactions are safely carried out in plastic bags. Enough for 5 demonstrations.  
◆ SB43571 — \$45.95



**The Photographic Card Deck of the Elements**

**Gr. 3+** These 126 cards (5" x 5") feature all 118 elements, plus additional cards that explain the arrangement of the periodic table, present the elements sorted by various properties, and suggest activities and uses for the cards.  
SB46736 — \$24.95



**Characteristics of Matter Kit**

**Gr. 5-9** These 10 experiments explore the properties and states of matter, physical properties of solids and liquids, melting and boiling points, solubility of solids, density, chemical properties, and identification of unknown solutions. Required, but not included: balance, ice, 24 small test tubes, test tube racks, 10 ml graduated cylinders, 6 beakers or clear cups, chemical splash goggles. For 24 students working in groups of 4. **CHOKING HAZARD (1)**. Not for under 3 yrs.  
SB21299 — \$209.95

▲ See page 3 for complete Choking Hazard Label Information.

◆ DOT hazardous material    ⚡ Subject to DOT hazardous material surcharge.



**BEST SELLER**

### Nasco Chemistry Centers Kit

**Gr. 4-5** Meets standards, teaches scientific method in a practical way, and encourages cooperative learning. Topics include states of matter; mixtures, solutions, emulsions, and surface tension; crystals; chromatography; and density. **CHOKING HAZARD (1)**. Not for under 3 yrs. **SB48564 – \$164.95**



**ONLY AT NASCO**



**ONLY AT NASCO**

### Nasco Crystal Growing Kit

Learn about the development of crystals, different types and shapes of crystals, and how they form while growing your own crystals. Aligned to NGSS. For 24 students in groups of 4. **CHOKING HAZARD (1)**. Not for under 3 yrs. **SB47141 – \$138.95**



### Water Kits

**Gr. 6+** Each cup includes pieces for 12 water molecules, 1 sodium, 1 chloride, 1 ethane, and 1 hydroxyl group. All atoms are magnetized to reflect positive or negative charges (except for nonpolar ethane). Meets STEM and NGSS. **NOTE: Only available in the U.S. CHOKING HAZARD (1)**. Not for under 3 yrs. **SB53356** 1-cup set – **\$62.00** **SB53357** 10-cup set – **\$580.00**  
**SB49640** 6-cup set – **\$360.00**



### American Chemical Society®:

#### Chemistry – Investigating Your World Lab Activity

**Gr. 6+** Includes 4 lessons investigating chemical changes while giving students a sense of the many ways that chemistry is used to benefit mankind. Activities include the production of gas, chemistry and color change, formation of a precipitate, and temperature change of chemical reactions. For 24 students working in groups. **SB52488 – \$150.95**



### Mr. RootBeer® Kit

Kit contains all the essential ingredients to brew two batches of root beer in 3 days (each batch makes 1 gallon). Learn the chemistry behind this soda, as well as some fun facts and history. Unlike store-bought root beer, this is naturally carbonated, giving it less fizz and a smoother, creamier taste. Includes root beer mix, dry yeast, flavor crystals, no-rinse cleanser, 4 reusable plastic bottles (FDA approved for food and beverage), 4 reusable plastic pressure-relief caps (designed to release excessive pressure as a safety measure), 4 labels, funnel, guide, and instructions. **NOTE: Due to this carbonation process, your root beer will contain trace amounts of alcohol (approximately 1/2 of 1% ABV).** **C32807 – \$31.99**



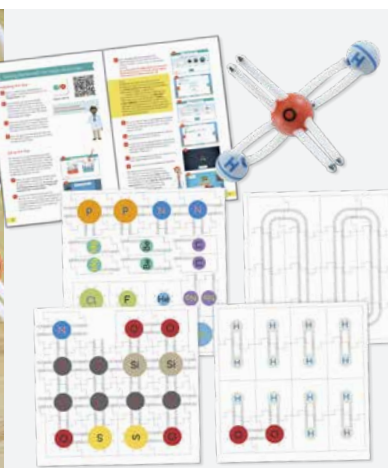
### Fizz Wizard and Jammin' Jelly Reaction Kit

Make soda pop and make it change colors; make polymer pudding; and learn about chemical solutions, acid-base reactions, indicators, pH, and gels. **CHOKING HAZARD (1)**. Not for under 3 yrs. **SB31105 – \$10.95**

**BEST SELLER**



Atoms connect magnetically



NE30223

**Thames & Kosmos Happy Atoms 2D: Interactive Chemistry Puzzles.** In this 2D version, students can build more than 17,000 molecules and scan them with the app to identify them and learn in-depth information. Includes printed manual. **CHOKING HAZARD (4)**. Not for under 3 yrs. **NE30223 – \$22.95**

### Thames & Kosmos Happy Atoms

**Gr. 5+** Assemble molecular models using atom models that stick together with magnets. Use the app for iPad® and iPhone® to snap pictures of created models to identify the molecule. App recognizes tens of thousands of models and presents detailed information about 120 of the most important molecules. Requires iPad® or iPhone® (not included).

**Complete Set.** 52 atom models represent 16 elements. **EL14902 – \$155.00**  
**Educator's Bundle.** 250 atom models represent 16 elements. **SB52560 – \$775.00**



### Polymers – Making Fluorescent Worms Kit

**Gr. 4+** Learn about polymers and cross-linking by making gel-like polymer “worms.” Enough material to make several dozen polymer worms. **SB51064 – \$50.00**



### Red Cabbage Jiffy Juice

**Gr. 5+** Very stable and easy-to-use red cabbage extract powder. A safe, all food grade material with low odor and a long shelf life. Will make several gallons of strong red cabbage juice. **SB39241 – \$10.50**



### The Cool Blue Light Experiment Kit

**Gr. 4+** Make a cool blue light appear in the dark. Learn about how fireflies glow, chemiluminescence, and the real quantum leap. **CHOKING HAZARD (1)**. Not for under 3 yrs. **SB31106 – \$10.95**

See page 3 for complete Choking Hazard Label Information.

DOT hazardous material Subject to DOT hazardous material surcharge.



LAB SUPPLIES

Precise, accurate testing and experimentation in your lab requires the proper supplies.

From beakers to flasks, gloves to goggles, scales to balances, and protective gear to lab equipment, you'll find all the essentials on these pages to measure, store, and contain materials while keeping students safe.

Glassware/Plasticware 50-52

Test Tubes, Petri Dishes & Accessories 53  
Drying Racks, Thermometers & Accessories 54

Balances & Scales 55-57

Scales & Test Papers 58

Data Recording 59

Calculators & Timers 60

Measurement 61

Protective Equipment & Health/Safety 62-65

Kit Components 66-67



**Nasco Glass Beaker Set**  
Set of 5 includes 1 borosilicate beaker each of 50, 100, 250, 600, and 1,000 ml.  
SB45964 — \$15.75



**Nesting Graduated Beaker Set**  
Unbreakable plastic. Blue calibrations. Set of 5 includes 50, 100, 250, 500, and 1,000 ml.  
TB23262 — \$11.95



**Plastic Beakers**  
Molded in polypropylene. Autoclavable. Good chemical resistance. Raised graduations.

Set of 6. 1 each of 6 plastic beakers below.  
SB49209 — \$55.00

250 ml SB37390 — \$3.95	2,000 ml SB37393 — \$9.95
500 ml SB37391 — \$4.25	5,000 ml SB37394 — \$18.95
1,000 ml SB37392 — \$6.95	



**Graduated Plastic Beaker Set**  
A nested set of beakers including 50, 100, 250, 500, and 1,000 ml. Heat resistant up to 120° C and autoclavable.  
SBI9214 — \$15.50

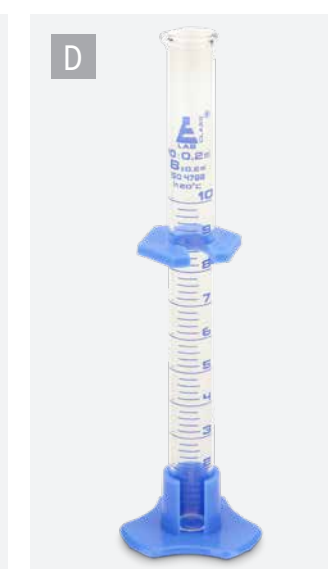
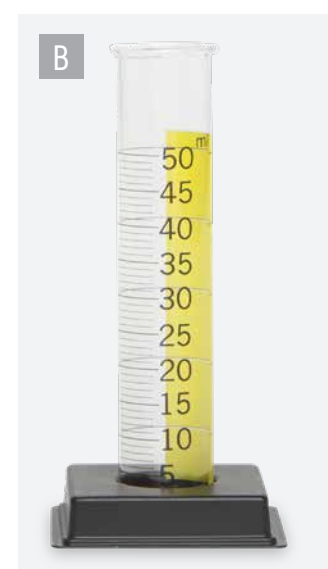


**Polypropylene Graduated Beakers**  
Straight-sided and translucent. Heat-resistant up to 135° C. Square ratio design with vertical lip. Graduations and indications of material and maximum heat resistance are printed in blue. Autoclavable at 250° F (121° C).

Product No.	Capacity ml	Subdivisions ml	Height mm	Each	Qty.	Each
SBI9215	50	5	51	\$3.50	12+	\$3.39
SBI9216	100	10	62	\$4.75	12+	\$4.62
SBI9217	250	25	82	\$7.25	12+	\$7.06
SB24114	400	50	95	\$7.25	12+	\$6.81
SBI9218	500	50	102	\$9.25	12+	\$8.83
SB24115	600	50	107	\$9.50	12+	\$8.73
SBI9219	1,000	100	126	\$10.50	12+	\$10.08

**Nasco Low-Form Griffin Beakers**  
Low-expansion borosilicate with properties equivalent to ASTM E960 Type I specifications. Double graduations with a limit error of ±5% of full capacity.

Product No.	Capacity ml	Graduation Interval ml	Each
SBI7976	50	10	\$2.05
SBI7977	100	10	\$2.50
SBI7978	150	10	\$2.60
SBI7979	250	25	\$2.75
SBI7980	400	25	\$3.00
SBI7981	600	50	\$4.00
SBI7983	1,000	50	\$6.25
SBI7984	2,000	200	\$9.50



Superior-Grade Cylinders — Plastic

**A. Dynalon PMP® Graduated Cylinders**  
Single scale. Crystal clear. Shatterproof. Raised graduations. Wide base. Superior chemical resistance, heat resistance to 350° F (177° C); no meniscus.

Product No.	Capacity ml	Each	Qty.	Each
SB16307	10 x 0.2	\$4.15	20+	\$3.85
SB16308	25 x 0.5	\$5.15	20+	\$4.68
SB16309	50 x 1	\$6.15	20+	\$5.65
SB16310	100 x 1	\$7.15	10+	\$6.53
SB16311	250 x 2	\$12.15	5+	\$11.09
SB16312	500 x 5	\$19.00	5+	\$17.47
SB16313	1,000 x 10	\$29.00	4+	\$26.58

**B. Plastic Graduated Cylinders**  
Tough, transparent plastic. Accurately calibrated on yellow background. Cannot be used for concentrated acids, bases, or stronger organic solvents. Plastic surface does not create meniscus. Large, stable base.

Product No.	Capacity ml	Each	Qty.	Each
SA02306	50	\$2.25	12+	\$1.85
SA02307	100	\$2.55	12+	\$2.35

**C. Polypropylene Graduated Cylinders, Single Scale — Class B**  
No meniscus. Raised graduations. Wide base. Excellent chemical resistance. Autoclavable. TC/TD 20° C. Temperature range: -4° to 275° F (-20° to 135° C). NOTE: Not recommended to keep 500 ml cylinders and larger at maximum temp. for long periods of time, as plastic can get soft and bend.

Product No.	Capacity ml	Each	Qty.	Each
SB08686	10 x 0.2	\$2.25	20+	\$2.03
SB07277	25 x 0.5	\$2.55	20+	\$2.30
S00925	50 x 1	\$2.95	20+	\$2.65
S00926	100 x 1	\$4.50	10+	\$4.06
S00927	250 x 2	\$5.55	5+	\$5.00
S08307	500 x 5	\$7.50	5+	\$6.75
S08308	1,000 x 10	\$13.95	4+	\$12.56

Student-Grade Graduated Cylinders — Glass

**D. Student-Grade Cylinder, Graduated Double Metric Scale, with Bumper**  
Economical glass cylinder with plastic hexagonal base and bumper. Calibrated "to contain." Plastic parts easily removed.

Product No.	Capacity ml	Each	Qty.	Each
SBI7991	10 x 0.2	\$5.55	6+	\$5.05
SBI7992	25 x 0.2	\$7.95	6+	\$7.28
SBI7993	50 x 1	\$9.15	6+	\$8.54
SBI7994	100 x 1	\$11.05	6+	\$10.26



**Hot Hand Protector**  
Silicone-rubber molded hand protector with studded gripping surface. Withstands temperatures up to 500° F (260° C). Retains flexibility down to -70° F (-57° C). Thumb and finger end pockets fit any size hand. 3 7/8" x 7 7/8".  
SB01889 — \$12.95



**Narrow-Mouth Erlenmeyer Flask**  
Borosilicate glass. Tooled top finish, capacity scale, thick walls, long tapered outside contour. Strain point 520° C.

Product No.	Capacity ml	Rubber Stopper Fit	Each	Qty.	Each
SBI7972	50	2	\$3.00	12+	\$2.75
SBI7973	100	3	\$3.40	12+	\$3.15
SB26515	125	5	\$5.20	12+	\$4.82
SBI7974	250	6	\$5.75	12+	\$5.24
SBI7975	500	7	\$7.95	6+	\$7.27
SB26518	1,000	9	\$14.50	6+	\$13.40



### Plastic Labware Set

All items except wash bottles are autoclavable.  
26 labware items in addition to 12 plastic tubes.

#### Contains:

- Beaker, 50 ml
- Beaker, 100 ml
- Beaker, 250 ml
- Beaker, 500 ml
- Beaker, 1,000 ml
- 3 Erlenmeyer flasks, wide mouth w/cap, 250 ml
- Graduated cylinder, 10 ml
- Graduated cylinder, 25 ml
- Graduated cylinder, 50 ml
- Graduated cylinder, 100 ml
- Graduated cylinder, 250 ml
- Graduated cylinder, 500 ml
- Graduated cylinder, 1,000 ml
- 6 storage bottles, square, wide mouth, 500 ml
- Test tube rack with 12 tubes
- 4 wash bottles, unitary, 500 ml

**SB52575 — \$82.50**



### Polypropylene Graduated Cylinders

Set of 7 polypropylene cylinders in calibrations of 10, 25, 50, 100, 250, 500, and 1,000 ml. Autoclavable.

**TB20546 — \$23.95**



### Polypropylene Graduated Cylinders

Distinct graduations for precise volume measurements. Extra-wide hexagon bases and easy-pour spouts. Set of 6: 25, 50, 100, 250, 500, and 1,000 ml.

**SA05354 — \$52.95**



### Polypropylene Squat Form Cylinders

More stable than traditional glass or plastic cylinders. Graduations are molded and printed in blue. Self-draining base allows wastewater to drain when inverted in dishwasher.

Product No.	Capacity ml	Each
<b>SB47462</b>	100	<b>\$19.50</b>
<b>SB47463</b>	250	<b>\$25.95</b>



### Test Tubes for Kids

**Gr. 1+** Each safe, plastic test tube holds 28 cc. Includes 12 test tubes with screw-on caps.

**EL12247 — \$14.95**



**BEST SELLER**

### Nasco Test Tube Rack with 15 Safe Tubes

Nonslip rack and 15 safe, unbreakable test tubes with screw lids (SB33231, below).

**SB42164 — \$25.00**

**Safe Test Tubes.** Large, clear plastic test tubes are basically indestructible. Threaded cap prevents spills. Will withstand freezing temperatures or temperatures up to 200° F (will not withstand heat from a flame). Set of 15 tubes and caps with activity guide. Tubes are 6"L, 7/8" dia., and approximately 50 ml (1.75 oz.) capacity.

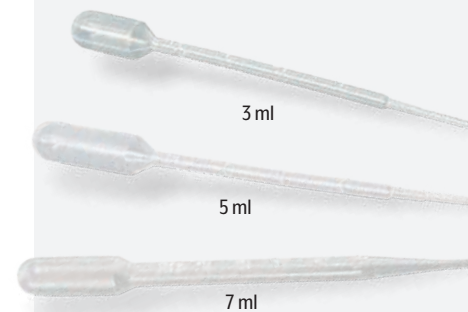
**SB33231 — \$19.50**

**Nasco Safe Test Tube Rack.** Plastic holder holds up to 5 Safe Test Tubes.

**SB45376 — \$12.00**



*Almost indestructible! Spill-proof tubes withstand hot and cold temps*



### Transfer Pipettes

Nontoxic LDPE. Excellent transparency with uniform wall thickness and precise graduations, ensuring consistent results. Nonsterile.

**3 ml.** Stem graduations: 0.25 ml. Length: 138 mm, fine-tip.

**SB50474** Pack of 100 — **\$6.00**

**SB50477** Pack of 500 — **\$27.00**

**5 ml.** Stem graduations: 0.25 ml. Length: 160 mm, fine-tip.

**SB50475** Pack of 100 — **\$7.25**

**SB50478** Pack of 500 — **\$33.00**

**7 ml.** Stem graduations: 0.50 ml. Length: 160 mm.

**SB50476** Pack of 100 — **\$7.75**

**SB50479** Pack of 500 — **\$35.00**

### Pipette — Plastic

Latex-free rubber nipple with plastic tube. 2 ml capacity. Pack of 12.

**SB14002 — \$3.95**



**BEST SELLER**

### Funnel Set

Set of 5 plastic funnels are stackable, may be boiled, and are dishwasher safe. Includes 1 of each size below.

**SB33240 — \$12.00**

**SB51684** 2 oz. — **\$1.30**

**SB51685** 4 oz. — **\$1.55**

**SB51686** 8 oz. — **\$2.55**

**SB51687** 16 oz. — **\$3.25**

**SB51688** 32 oz. — **\$4.75**



### Petri Dishes

Disposable, stackable, and sterile.

**100 mm Dia. Divided.**

15 mm D dishes divided into 2 sections. Pack of 20.

**SB45991 — \$4.50**

**150 mm Dia. 15 mm D.** Pack of 10.

**SB45992 — \$26.95**



**BEST SELLER**

### Petri Dish - Pack of 20

Round, disposable, sterile polystyrene. Flat bottom affords maximum area for observation of growth. 90 mm dia. Approximately 15 mm H. Pack of 20.

**SA00371 — \$8.25**



### Plastic Petri Dishes

Sterile plastic polystyrene. 100 mm dia. x 15 mm D. Pack of 10.

**SB46631 — \$1.95**





### Draining and Drying Rack

Can be used standing up, lying down, or mounted on a wall. Galvanized metal drain pan keeps liquid off countertop. Vinyl-coated, heavy-gauge steel wire cushions glassware to avoid breaks, chips, and rusting. Capacity: 90 pieces of glassware on 72, 3" pins and 18, 5" pins. 18½" x 7⅞" x 19".  
**SB23813 — \$145.00**



### 24 mm Test Tube Rack

Double row supports hold up to 12 test tubes each. Made of fine oil-finished hardwood. 7½" x 2½" x 5⅝". No drying pins included.  
**SB10559 — \$12.50**



### Petri Dish Holder

Used to sterilize, refrigerate, or incubate culture dishes. Soft black vinyl coating. Capacity: 18 dishes, 100 x 10 mm; 12 dishes, 100 x 15 mm. 9⅞" x 4⅜" x 7⅞".  
**SB28540 — \$43.95**



### Test Tube Brushes

Multi-fan tip white bristles in twisted wire.

Product No.	Dia.	Bristle Length	Overall Length	Pkg. of 12
SB16143	⅞"	2"	6"	\$10.50
SB16144	¾"	3"	8"	\$14.00
SB16145	1⅜"	3"	9"	\$8.95



### Cylinder and Bottle Brush

Black nylon bristle brush with radial end. Brush is 5" L, 2" dia. Overall length: 13".  
**SB08102 — \$2.95 12+ \$2.57**



### Beaker, Jar, and Cylinder Brush

Black bristle brush with tufted end on wooden handle. Brush is 6" L, ¾" dia. Overall length: 16".  
**SB08103 — \$5.95**



### Parafilm M®

All-purpose lab film is a versatile, moisture-resistant, flexible thermoplastic for a wide variety of applications.

**SB39418 2" x 250' — \$40.95**  
**SB39419 4" x 125' — \$34.95**



### Wood Splints

Approximately 4 x 140 x 1 mm. Bundle of 500.  
**SA08889 — \$5.95**



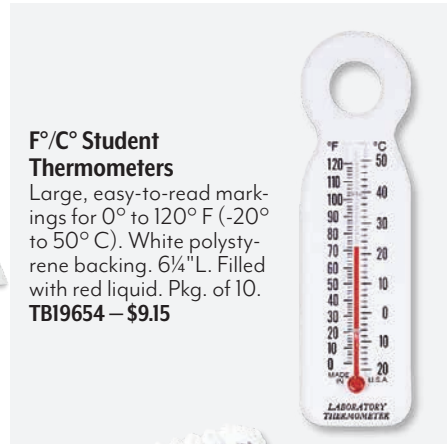
### Nonsterile Cotton Tips

6" wood stick. Bag of 100.  
**SB08678 — \$1.95 10+ \$1.67**



### Digital Thermometer

Easy-to-read 0.3" LCD readout. High temp range from -58° to 500° F (-50° to 260° C). Stainless-steel stem. Pocket sleeve. NSF® certified.  
**SB33552 — \$21.95**



### F°/C° Student Thermometers

Large, easy-to-read markings for 0° to 120° F (-20° to 50° C). White polystyrene backing. 6¼"L. Filled with red liquid. Pkg. of 10.  
**TB19654 — \$9.15**

### Boiling Point Thermometer Set

Gr. 3+ Nontoxic thermometers measure from -22° to 240° F (-30° to 120° C). Plastic. Mercury free. Set of 10 in reusable storage box.

**SB42013 — \$23.95**



### OHAUS® Triple Beam Balances

Die-cut construction withstands overloads and delivers accurate results for years. Ensures easy reading, quick zeroing, and repeatable results. Magnetic dampening minimizes oscillation and speed weighing. Spring-loaded zero adjust compensator. Deep notched and tiered beam. Capacity: 610 g. Purchase optional attachment weights (SA04482, available at nascoeducation.com) to increase capacity. Sensitivity: 0.1 g.

Product No.	Model	Platform Type	Tare	Each
SA04387	750-S0	Stainless steel platform	No	\$208.00
SA09238	760-00	Stainless steel platform	Yes	\$375.00
SA09229	710-00	Stainless steel pan	No	\$345.00



SA04387

SA09229

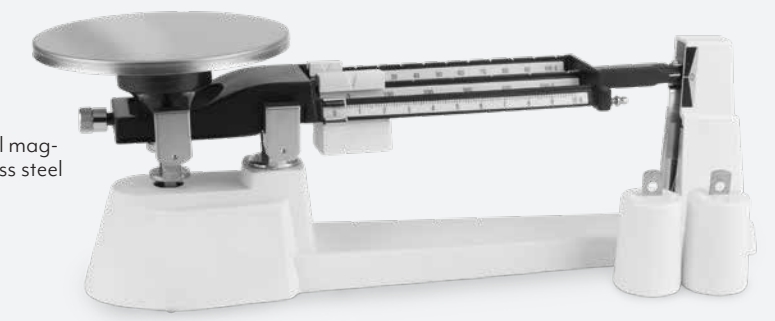


### Nasco Triple Beam Balance

Die-cast construction, precision ground steel knife edges, dual magnetic dampening systems to slow oscillation, and large stainless steel weighing platform. 610 g capacity. Platform size: 15 cm.

**SB43077 — \$122.95**

**Triple Beam with Weight Set. 2,610 g capacity.**  
**SB43078 — \$127.95**



### A. Compact Digital Scale

An electronic classroom scale featuring tare button; auto power off; and large digital display; plus a mode button for g, lbs., and oz. Capacity: 176.4 oz./5,000 g. Accuracy: 0.1 oz./1.0 g.  
**TB25722 — \$29.95**

### B. Classroom Compact Scale

An electronic classroom scale featuring a tare button, auto power off, and large digital display, plus a mode button for g, lbs., and oz. Capacity: 176.4 oz./5,000 g. Accuracy: 0.05 oz./1.0 g.  
**TB22736 — \$47.95**

### C. Platform Scale

Dual-system scale has removable plastic pan; large, clear dial with metric and customary markings; and zero-adjustment wheel. 11 lbs./5 kg.  
**TB15544 — \$14.95**



### D. Digital Scale

Dishwasher safe bowl on base inverts for storage. Tare function. Capacity 4.40 lbs. (2 kg) in ⅛ oz. (1 g) increments.  
**WA26488 — \$24.95**



Find out how easy it is to connect your school's e-procurement system on [nascoeducation.com](http://nascoeducation.com)





**Student Balance**  
Two 500 ml colored buckets with lids. Easy-to-use sliding zero adjustment. Capacity: 2,000 g. Readability: 1 g. Activity guide. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SA05379 – \$15.95**



**A. Simple Scale**  
Translucent, large-capacity pans marked at 200 ml increments hold up to 1 liter of liquid or solids. Compensator clips and 5 each of 1 g, 5 g, and 10 g stackable weights. Washable plastic. 29½" x 13". **CHOKING HAZARD (I).** Not for under 3 yrs.  
**TB15809 – \$13.95**

**B. Nasco School Balance**  
An inexpensive way to teach the same concepts learned when using more advanced mechanical weighing instruments. High-impact polystyrene plastic. Capacity: 2,000 g. Sensitivity: 0.5 g. Weight set contains three 10 g, two 20 g, and two 50 g weights. Activity guide. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB34283 – \$33.95**

**C. Nasco Student Balance**  
High-impact polystyrene balance offers 2,000 g capacity and 1 g sensitivity. Features zero-adjust knob, 2 removable pans, and an 8-piece 1 g to 50 g weight set. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**BEST SELLER SB16480 – \$27.95**

**8-Piece Mass Set Replacement.** Includes 1 each of 1 g, 10 g, 20 g, and 50 g weights; and 2 each of 2 g and 5 g weights. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SA05380 – \$13.95**

**D. OHAUS® Harvard Junior™**  
Metal beam, plastic base, and dual-style removable pans. Dampening feature. Zero-adjust knob. Built-in handles. Storage and transportation locking mechanism. Stackable (3 high). Eight-piece metal mass set (2 each of 10 g, 25 g, 50 g, and 100 g). PreK-5 focused Science/Math activity guide with 7 activities, background information, and assessment suggestions. Capacity: 2,000 g. Readability: 0.50 g.  
**SB43546 – \$166.00**

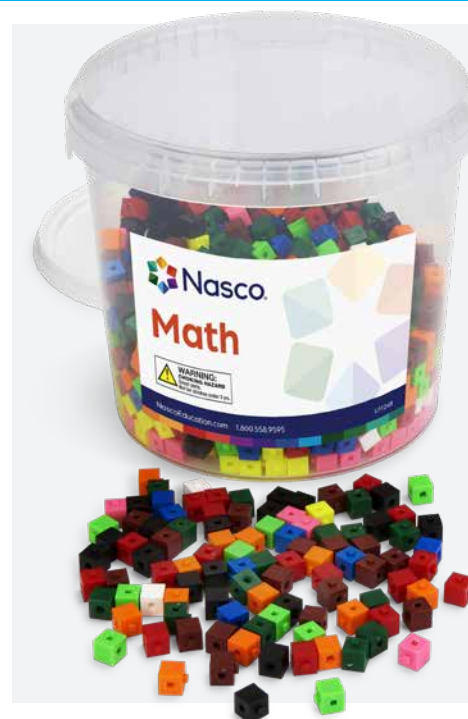
**E. OHAUS® School Balance with Mass Set**  
Interchangeable pans are easily removable. Dual pointers allow viewing of results from either side of balance. Zero adjustment. Plastic balance. Capacity: 2,000 g. Accuracy: 0.5 g. Includes ten 1 g, four 5 g, two 10 g, and two 25 g plastic weights. Pan dimensions: 5½" x 5½".  
**SB31487 – \$89.00**



**Weight Sets Set of 54**  
See mass relationships at a glance. Each color represents a different thickness and mass. Twenty 1 g (blue), twenty 5 g (red), ten 10 g (yellow), and four 20 g (green). Stackable.  
**TB15543 – \$9.95**



**Student Standard Mass Set of 27**  
17 hexagram weights (10 red 5 g, 5 yellow 10 g, 2 green 20 g) and 10 Weight Too® two-color 1 g weights (red and yellow). **CHOKING HAZARD (I).** Not for under 3 yrs.  
**TB17619 – \$7.75**



**Nasco Interlocking Gram Centimeter Cubes**  
Each cube measures 1 cm on an edge, has a volume of 1 cm<sup>3</sup>, and has a mass of 1 g. Each surface is 1 cm<sup>2</sup>. Bucket of 1,000. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**TA02278 – \$19.95**



**Nasco Centimeter Gram Cubes**  
Each non-interlocking cube weighs 1 g. Set of 1,000 in 10 bright colors. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**TB16756 – \$17.95**

**Polystyrene Weighing Boats**  
Lightweight, disposable weighing dishes can be used for liquids or solids. Suitable for all types of balances. Pkgs. of 500.

**Square.** Smooth surface and rounded corners. 3½" x 3½" x ¾".  
**SB16660 – \$47.95**

**Hexagonal.** Flat bottoms and sloping sides. Nonreactive to most substances. Resists temperatures to 158° F (70° C). Flexible. 2½" x 2" x ¾".  
**SB48957 – \$51.95**





**BEST SELLER**



### Dual-Calibration Spring Scales

Provides direct readings for both force and measurements. Calibrated in both Newtons and grams. Top is leveled for easy use with an inclined plane.

Product No.	Capacity	Each
SB42822	100 g/1 N	\$4.95
SB18125	250 g/2.5 N	\$4.95
SB14406	500 g/5 N	\$4.95
SB24748	1000 g/10 N	\$4.95
SB24749	2000 g/20 N	\$4.95
SB16478	3000 g/30 N	\$4.95
SB16479	5000 g/50 N	\$4.95
SB42821	10,000 g/100 N	\$4.95

**BEST SELLER**

### Hooked Weight Set of 9

Cast-iron weights with black enamel finish. One each of 10 g, 50 g, 100 g, 500 g, 1,000 g, and 2 each of 20 g and 200 g weights. **SB37395 — \$48.50**



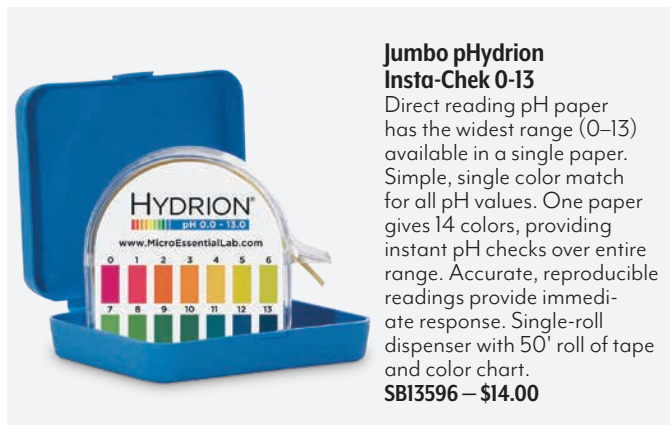
### Stainless Steel Hooked Weight Set of 10

Set of 10 weights includes one each of 5 g, 10 g, 50 g, 100 g, 500g, and 1,000 g weights and two each of 20 g and 200 g. Includes plastic storage block. **SB47084 — \$129.95**



### Wide-Range pH Paper

Provides distinct color for each separate pH reading in the range of 1–14. 100 strips per pack. **SB08261 — \$3.75**



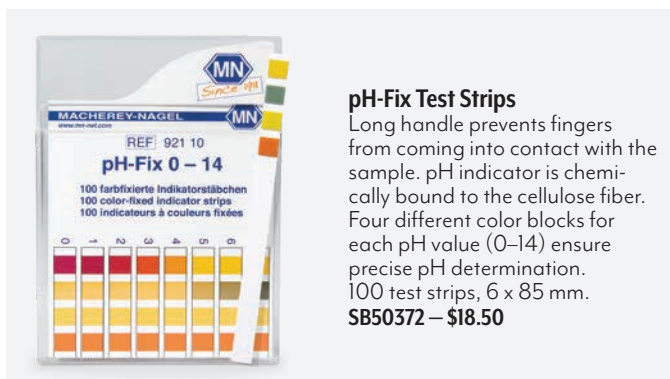
### Jumbo pH Hydrion Insta-Chek 0-13

Direct reading pH paper has the widest range (0–13) available in a single paper. Simple, single color match for all pH values. One paper gives 14 colors, providing instant pH checks over entire range. Accurate, reproducible readings provide immediate response. Single-roll dispenser with 50' roll of tape and color chart. **SBI3596 — \$14.00**



### Hydrion Spectral Plastic 0.0–14.0 pH Strips

Premium-quality, wide-range plastic strips offer clear, bright, single-color matches. Dip strip into test solution, then instantly compare color with matching pH color chart. 100 strips in flip-top vial. 1.0 interval. **SB48831 — \$13.75**



### pH-Fix Test Strips

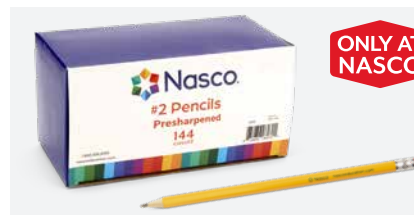
Long handle prevents fingers from coming into contact with the sample. pH indicator is chemically bound to the cellulose fiber. Four different color blocks for each pH value (0–14) ensure precise pH determination. 100 test strips, 6 x 85 mm. **SB50372 — \$18.50**

Build your wish list and email it at [nascoeducation.com](http://nascoeducation.com)



### Nasco Cone-Point Dry-Erase Markers

Long-lasting, ultra low-odor, cone-tip dry-erase markers. Black. Box of 30. **TB21488 — \$26.80**



### Nasco No. 2 Pencils - Sharpened Pkg. of 144

Now you can afford to supply all your students with this economical box of 144 standard pencils. Sharpened pencils are certified nontoxic and feature a quality #2 writing core and latex-free eraser. **NE20211 — \$22.35**



### Nasco Colored Pencils Gr. K+ Good quality, great value and versatile. Smooth drawing with no-mess.

Product No.	Qty.	Set
NE20073	12	\$2.20
NE20107	24	\$4.35



### Individual Student Dry-Erase Board Kit

Low-tech solution for high-tech learning. Give each student one of these dry-erase board kits so they don't have to share with their classmates. Perfect for working out a math problem or recording an answer to show to the teacher via a Zoom class. Kit includes 9" x 12" dry erase board, black dry erase marker, mini eraser, and zippered plastic bag. **NE30026 — \$4.95**



### Write 'N' Wipe Board Class Set

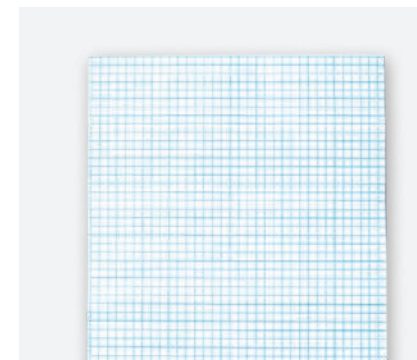
Two-sided, no-tear, plastic boards for use with dry- or wet-erase markers. Blank on one side and available with x- and y-axes or 1 cm grid on other side. Sets of 30; 9" x 12" each. **TB20771 — \$34.95**



EXCLUDED FROM DISCOUNTS

### IPEVO V4K Ultra HD USB Document Camera

Livestream presentations and scan documents in high resolution. 8MP CMOS sensor can stream at 30 fps when in Full HD. Integrated USB Type-A cable connects the camera to your Mac, Windows, or Chrome computer. Built-in microphone and fast focusing speed. **NE30411 — \$101.00**



### Graph Paper

Increments are already perfectly spaced. Pad of 50 sheets, 8½" x 11". **9706099 — \$2.25**



### Luna 2 Interactive Projection Camera

All-in-one projection tool, webcam, and photo/video camera. USB connection for computer or whiteboard. Capture photos or video and download. Features 3.0 MP images. **CHOKING HAZARD (1)**. Not for under 3 yrs. **TB26743 — \$150.00**

### Copernicus® DEWEY — The Document Camera Stand

Turn your iPad® into a document camera. Share work, ideas, and inspiration. Height-adjustable stand with 90° rotating mount that swivels and tilts. Headphone holder and mounting holes on base for security. Fits iPad® 2, 3, 4, Air, Air 2, Mini, Mini 2, and Mini 3, plus various smartphones with or without a case. Frame is 10¾" x 15" x 12¾"–23". Lifetime warranty. **TB26685 — \$89.95**

**Copernicus® Camera Stand with Microscope & LED Light.** Microscope feature with 5X or 10X magnification and adjustable LED light. Lifetime warranty. **EL14305 — \$104.95**





**BEST SELLER**

Includes 10 calculators



TBI8507

### TI-30X IIS Calculator

- View entry and result at same time
- Edit current entry
- Menus with functions and mode setting
- 5 variable memories
- 1- and 2-variable statistics include results for linear regression and trendline analysis
- Enter/delete/insert/edit individual statistical data elements
- Trigonometric functions in degrees and radians
- Common and natural logarithms
- Fractions and fraction/decimal conversions
- Degrees, minutes, seconds/decimal degrees conversions

TBI8506 – \$20.00

**Teacher Kit.** 10 calculators, poster, teacher's guide, and carrying case.  
TBI8507 – \$185.00

## STOP, CALCULATE, AND LISTEN

Stock your lab with essential additions



### MyChron™ Student Timers

Three-key operation (Lap, Start/Stop, Reset); clear display of hours, minutes, seconds, hundredths/seconds; auto shutoff; and hole for attaching to hanging cord. Magnetic strip, spring clip, belt clip, magnet, easel back, and storage box.

TBI7781 Set of 6 – \$66.95  
TBI7891 Set of 12 – \$132.95

**BEST SELLER**



### All-Purpose Digital Stopwatch

Hour, minute, and seconds display; calendar display; 24-hour stopwatch; alarm; hourly chime; 12/24-hour mode option; 1/100th-second chronograph; split time; and total time. Carrying cord. Color and style may vary.

TBI4784 – \$3.95  
SB51407 Set of 12 – \$35.00



### TI-1706V Solar Power Calculator

- 8-digit display
- 3-key memory
- Change sign (+/-) and square root keys
- ANYLITE solar power allows operation even in low light
- Protective slide case

TBI7148 – \$9.95



### Nasco Primary Calculator

Features the 4 main functions, three-key memory, and auto power-off. Solar and battery powered. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.

TB23305 – \$3.95



### TI-108 Solar Calculator

Features percent key and sign key (+/-). Protective slide case. Solar and battery powered. 4 1/2" x 2 3/8" x 4".

TBI4985 – \$7.95

**Teacher Kit.** 10 calculators in cardboard storage box with string handle, poster, transparency, and teacher's guide on CD.  
TBI7145 – \$69.95

**Classroom Set.** 30 calculators, 3 posters, 3 teacher's guides on CD, and 3 cardboard storage boxes with string handle.  
TBI7146 – \$210.00



### Dual Power Timers

Time up or down to 99 minutes and 59 seconds. Alarm sounds when time has been reached. Solar panel and internal battery. Display size: 2 1/16" x 1". Overall size: 2 9/16" x 2 9/16" x 1/2". Pkg. of 5.  
TB26740 – \$34.95



### Protractors

6". Plastic. Four assorted colors. Pkg. of 24.  
TBI6685 – \$9.25

**BEST SELLER**



### SAFE-T® Compass

Draw circles from 1/4" to 10" in diameter in 1/16" radius increments. No sharp point. Made of shatter-resistant plastic. Two mini-rulers (inches and metric).

9704224 – \$1.95

**Classroom Pack of 30**  
TBI7429 – \$52.55



SB33641

### Windup Meter Tapes

Virtually indestructible, high-quality fiberglass tapes in ABS plastic windup cases. Calibrated on one side in 0.5 cm and inches on the other. Will not tear, break, rust, or stretch.

SB33643 10 m – \$6.95  
SB33641 30 m – \$8.95  
SB33642 50 m – \$15.95

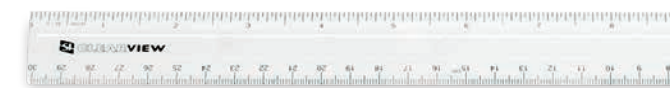


SB33642

**BEST SELLER**

Shatterproof ruler is ideal for constant classroom use

A



B



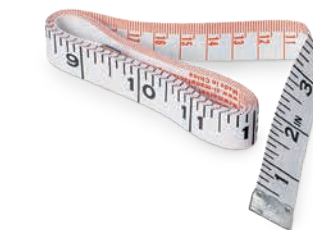
C



D



E



### A. 12" Clearview Ruler

12"/30 cm ruler is scaled 1/16" on one edge and mm and cm on the other.  
TB23369 – \$0.55

### B. Clearview Flexible Rulers

Made of shatter-resistant material. Pack of 12 includes two 12" rulers each of 6 colors.  
TB23368 – \$8.95

### C. Meterstick with Metal Ends

Hardwood, clear varnished, with black markings. One side scaled in mm, with cm and dm numbered. Reverse side is graduated in inches with 1/8" divisions.  
SB12161 – \$4.95

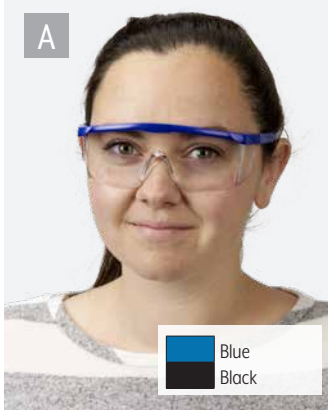
### D. Hardwood Meterstick

1" x 5/16" thick.  
SB47938 – \$3.25

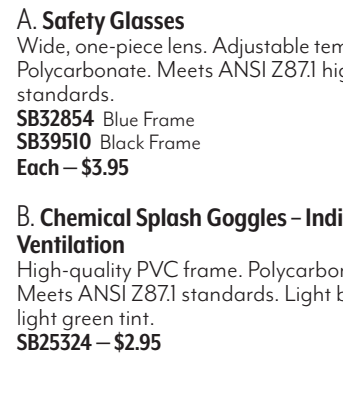
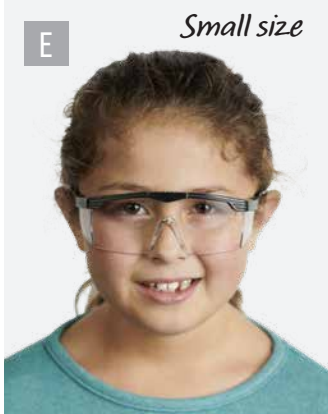
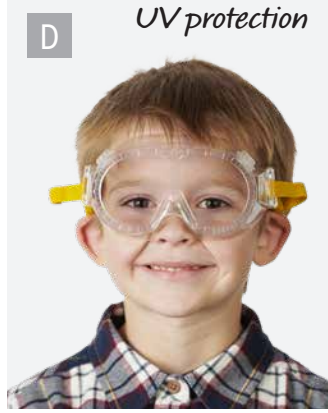
### E. Customary/Metric Tape Measures

Inches on one side and cm and mm on the reverse. Pkg. of 10; 60". Assorted colors. Plastic.  
TBI5183 – \$5.95





**BEST SELLER**



**Fluorescent Goggles**  
Provides the same protection as full-size goggles. Polycarbonate lens with fluorescent frame. Both lens and frame are ANSI Z87.1 certified. Latex free.

**Sets of 5 Splash Goggles**  
Indirect ventilation. One of each color below. Due to stock availability, duplicate colors may need to be substituted.

**SB41988** 5" Elementary — \$15.95  
**SB46930** 6" Secondary — \$17.50

**5" Elementary**  
**SB31477** Pink **SB33955** Green  
**SB33954** Blue **SB33957** Orange  
**SB33956** Yellow  
Each — \$5.95

**6" Secondary**  
**SB46957** Pink **SB46955** Green  
**SB46956** Blue **SB46958** Orange  
**SB46959** Yellow  
Each — \$6.50

**21" Straps for Goggles.** Black.  
**SB49984** Pkg. of 25 — \$8.75  
**SB49983** Pkg. of 100 — \$30.95

**Sets of 5 Safety Goggles.** One of each color below. Due to stock availability, duplicate colors may need to be substituted.

**SB41987** 5" Elementary — \$14.95  
**SB46929** 6" Secondary — \$15.95

**5" Elementary**  
**SB31476** Pink **SB33952** Green  
**SB33950** Blue **SB33953** Orange  
**SB33951** Yellow  
Each — \$4.95

**6" Secondary**  
**SB46952** Pink **SB46950** Green  
**SB46951** Blue **SB46953** Orange  
**SB46954** Yellow  
Each — \$5.50

**A. Safety Glasses**  
Wide, one-piece lens. Adjustable temples. Polycarbonate. Meets ANSI Z87.1 high impact standards.  
**SB32854** Blue Frame  
**SB39510** Black Frame  
Each — \$3.95

**B. Chemical Splash Goggles – Indirect Ventilation**  
High-quality PVC frame. Polycarbonate lens. Meets ANSI Z87.1 standards. Light blue or light green tint.  
**SB25324** — \$2.95

**C. Youth Safety Goggles – Direct Ventilation**  
Ideal for elementary and middle school students. Mini impact. Not chemical splash resistant. Meets ANSI Z87.1 standards.  
**SA05431** — \$1.95

**D. Youth Safety and Splash Goggles – Indirect Ventilation**  
Clear flexible vinyl body. Clear uncoated polycarbonate lens. 15% smaller than standard safety eyewear. Meets ANSI Z87.1 high impact standards.  
**SB46780** — \$3.95

**E. Small Size Safety Glasses**  
Black or blue frame (color varies). Wide, one-piece lens. Adjustable temples. Polycarbonate. Meets ANSI Z87.1 high impact standards.  
**SB39512** — \$3.65



**UV Sanitization Cabinets**  
Sanitize goggles, supplies, lab equipment, or other shared materials quickly and safely. These cabinets are simple to operate and efficiently disinfects everything of germs, bacteria, viruses, and fungi. Powered by a UV-C lamp to kill germs.

**NE30051** Large Cabinet, holds 35 pairs — \$725.00  
**NE30208** Small Cabinet, holds 20 pairs — \$475.00



**Nitrile Gloves**  
Ultra soft and super stretchy. Reduces hand fatigue. Textured surface. Thinner for maximum dexterity. Superior barrier protection. 100% synthetic. Box of 100 for sizes X-small, small, medium, and large; box of 90 for size X-large. 4 mil.

**SB48872** Small **SB48874** Large **SB48875** X-Large  
**SB48873** Medium  
Each — \$24.95



**Blue Nitrile Gloves**  
100% synthetic nitrile polymer gloves are odor free. Thermal sensitive, polymer compound absorbs body heat and conforms to user's hands and exerts virtually no pressure on hands. 5 mil. Box of 100 for sizes small, medium, and large; box of 90 for size X-large.

**C20030** Small **C20032** Large  
**C20031** Medium **C20033** X-Large  
Box — \$19.95



**Vinyl Powder-Free Gloves**  
Made from a special synthetic component and soft PVC material. Soft like premium leather. More elastic to fit snugly and comfortably. 4 mil. Box of 100 for sizes small, medium, and large; box of 90 for size X-large.

**SB50313** Small **C31841** Large  
**C31840** Medium **C31842** X-Large  
Each — \$12.95



**F. All-Purpose Disposable Aprons**  
Tough, smooth white aprons of 1.75-mil polyethylene are liquid-proof. Covers most people below the knee. Plastic ties and neckline band fit comfortably. 28" x 45". 100 aprons per dispenser box. 5 dispenser boxes per case.

**W05863** Box of 100 — \$24.95  
**W05864** Case of 500 — \$114.95

**G. Disposable Knee-Length Lab Coats**  
White, 44" splash- and spray-resistant lab coats feature three pockets (one upper and two lower front), heavy-duty snaps, cuffs, and latex-free construction.

**SB47104** Medium **SB47105** Large  
Each — \$2.95

**H. Child-Size Translucent Lab Aprons**  
6-mil thick plastic. Resistant to lab chemicals, acids, bases, oil, and grease. Ties at waist and neck are reinforced with cloth tape. 30" L x 24" W.

**SB37255** — \$6.95



*Combine chemistry and art to create tie-dye lab aprons that pop with color*

**Youth Lab Apron Tie-Dye Kit**  
Students learn the simple concepts of the tie-dye process and the chemical reactions involved (solubility, color mixing, and the movement of molecules). Includes 30 lab aprons, needed materials, and instructions. ⚠️ CHOKING HAZARD (I). Not for under 3 yrs.

**SB48484** — \$174.95

**Youth Lab Apron Only.** No pockets. 24" x 30". White.  
**SB48483** — \$4.95

That's just the start!  
See more options at  
**nascoeducation.com**



### Face Shield

Get full-face splash protection while still allowing students to see all of you with this lightweight, anti-fog face shield. Soft elastic, padded headband offers all-day comfortable wear, and clear polyethylene construction makes it affordable enough to be disposable. Can also be sanitized for even more economical reuse. **NE30025 – \$2.95**



### Adult 3-Ply Disposable Face Mask

Protect students and staff with these disposable, non-medical face masks for use in a simulated medical environment. Convenient behind-the-ear straps and adjustable nose wire (bridge clip) for comfort. Pack of 50. **NE30024 – \$14.95**



### First Aid Kit

Ideal for home, office, and vehicles. Contains 88 first aid items. Go to [nascoeducation.com](http://nascoeducation.com) for a complete list of contents. **C29348 – \$22.69**



### First Aid Kit

For any place with up to 25 people. Balanced assortment of supplies.

#### Contents:

- CPR mask, 2 gloves, and 2 alcohol prep pads per unit box
- 4 vinyl gloves, large
- 12 alcohol prep pads, sterile
- 15 BZK antiseptic wipes
- 2 iodine antiseptic wipes
- 3 Soothe-A-Sting™ wipes
- 6 burn cream packets
- 6 triple antibiotic packets
- 32 woven bandages (1" x 3")
- 10 juniors bandages (3/8" x 1 1/2")
- 1 stretch gauze bandage (2")
- 1 stretch gauze bandage (4")
- 1 triangle bandage with pins
- 2 sterile pads (2" x 2")
- 6 sterile pads (4" x 4")
- 1 ABD pad (5" x 9")
- 1 waterproof tape (1" x 2 1/2")
- 2 eye pads
- 1 eye wash (1/2 oz.)
- 3 sterile cotton-tip applicators
- 2 tongue blades
- 1 cold pack
- 1 pair of scissors
- 1 pair of forceps
- 1 first aid manual

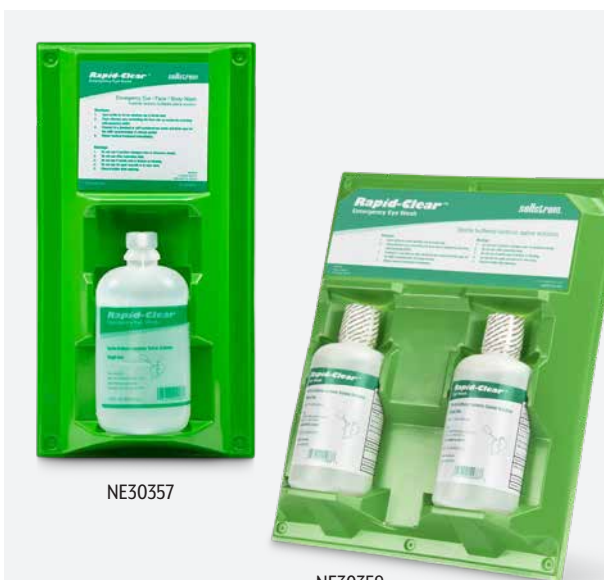
Packaged in a weatherproof plastic case with wall-mounting handle/hanger. Complies with OSHA requirements. Contents meet ANSI Z308.12009.

◆ **SBI3977 – \$39.95**



### Portable Eye and Face Wash Station

Provides both hot and cold running water. For eye washing, simply pull "activator" pin out. Contains a 6-gallon tank for fresh water and a 7-gallon tank for waste water. Safety-lock casters. Cabinet: 32"L x 18 5/8"W x 39 1/2"H. Basin: 9"L x 11"W x 5"D. **Z42349 – \$2,750.00**



### Rapid-Clear™ Portable Eyewash Stations

The ideal first response when a continuous or safe water supply is not available. Quickly flush contaminants from eyes with the sterile, buffered, preserved saline solution. Eyewash includes tamper-evident seal with easy-to-open twist-off top and is date-coded for easy inspection. Highly visible green plastic backboard can be wall mounted or placed on flat surface. FDA approved.

- NE30357** Single Unit Station - 16 oz. — **\$39.95**
- NE30358** Single Unit Station - 32 oz. — **\$54.95**
- NE30359** Double Unit Station - 32 oz. — **\$79.95**
- NE30360** Eyewash Refill Bottle - 16 oz. — **\$17.95**
- NE30361** Eyewash Refill Bottle - 32 oz. — **\$28.95**



### Lysol® All-Purpose Cleaner

Cleans, disinfects, deodorizes, and kills 99.9% of bacteria on hard, nonporous surfaces. Lemon scent. 32-oz. bottle. **WA34866 – \$7.10**



### E-Z Spray Bottles

Polypropylene sprayer with adjustable spray pattern. **C05706** Quart — **\$3.05**  
**C07664** Pint — **\$2.85**



### Ultrasonic Cleaner Lab

Quiet, solid state circuitry; high-powered transducer for superior cleaning; large tank capacity; and cooling fan. Five cycles with digital time display. 1,400 ml (2.40 pints) capacity. 110V. 9" x 7" x 6 1/4". **SB47541 – \$164.95**

EXCLUDED FROM DISCOUNTS



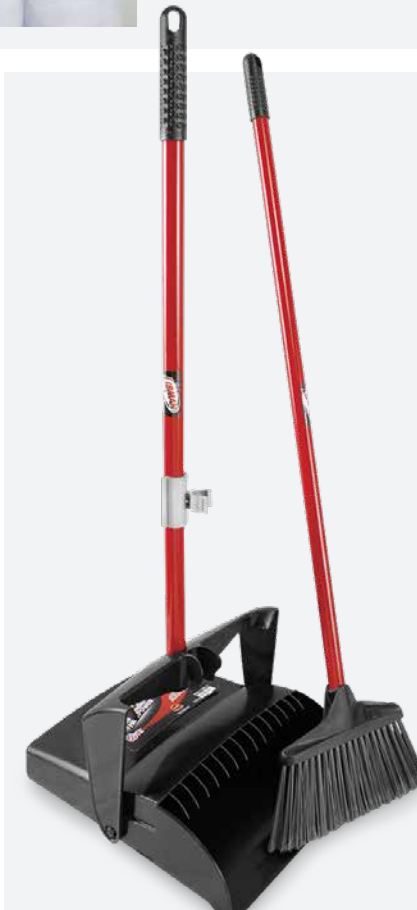
### Kimwipes® Delicate Task Wipers

Absorbs many times their own weight. Plastic guard on dispensing box reduces airborne lint, keeps contaminants out, and reduces electrostatic discharge. Box of 280; 4 1/2" x 8 1/2". **SB44520 – \$5.95**



### Paper Towels

Strong, absorbent towels. 16 packages of 250 white 1-ply towels each 9 1/2" x 10 1/2". **WA04312(A) – \$129.00**



### Dust Pan and Broom

Broom stores inside 12"W pan and clips to handle. Handle grip has hanger hole. Locks in upright position. Built-in tilt when open allows user to leave open. Dust pan is 36". **WA35395 – \$25.37**



Try our quick order feature for faster ordering on [nascoeducation.com](http://nascoeducation.com)



Description	Product No.	Unit	Price
Alcohol, Isopropyl, 1 pt.	◆ KI01036(J)	Each	\$5.95
Aluminum Foil, 12" x 25' roll	SB30673	Roll	\$3.95
Aluminum Foil Pan, 4½"	K01049(H)	Each	\$0.55
Aluminum Foil Pan, 9", pk/30	K01054(S)	Pack	\$29.95
Bag, Paper, 10 x 20 x 7½ cm, pk/40	K01045(A)	Pack	\$4.55
Bag, Zipper Closure, 6" x 8", pk/100	SB50616	Pack	\$10.00
Bag, Zipper Closure, 9" x 12", pk/100	SB50614	Pack	\$13.50
Bag, Zipper Closure, 12" x 15", pk/100	SB50620	Pack	\$19.95
Bag, Zipper Closure, Quart, pk/100	SB51413	Pack	\$47.95
Bag, Zipper Closure, Gallon, pk/100	SB51414	Pack	\$66.95
Baking Soda, 1 lb.	K00365	Each	\$1.95
Balls, Golf, 1 doz.	PE00962	Pack	\$20.60
Ball, Steel, ¾", pk/24 ▲ CHOKING HAZARD (3). Not for under 3 yrs.	K01041(B)	Pack	\$34.50
Balloon, Assorted, 11", pk/12 ▲ CHOKING HAZARD (2). Not for under 8 yrs.	SB51399	Pack	\$2.50
Balloon, Assorted, 12", pk/12 ▲ CHOKING HAZARD (2). Not for under 8 yrs.	SB51400	Pack	\$2.95
Balloon, Round, 7", pk/35 ▲ CHOKING HAZARD (2). Not for under 8 yrs.	K01039(T)	Pack	\$4.95
Balloon, Round, 9", pk/35 ▲ CHOKING HAZARD (2). Not for under 8 yrs.	K01046(P)	Pack	\$5.95
Balloon, Round, 9", pk/144 ▲ CHOKING HAZARD (2). Not for under 8 yrs.	SB51401	Pack	\$21.95
Balloon, Round, 12", pk/50 ▲ CHOKING HAZARD (2). Not for under 8 yrs.	9742228	Pack	\$7.35
Beaker, 250 ml, Glass	SB17979	Each	\$2.75
Blindfold, No Slots	SB41298	Each	\$2.15
Bulbs, Mini Lamp, 2.5V, #41, pk/10	S09289	Pack	\$4.00
Cards, Index, 3" x 5", Blank, pk/100	KI01046(Q)	Pack	\$1.95
Cards, Index, 3" x 5", Ruled, pk/100	BE01119	Pack	\$1.60
Carton, Egg, pk/25	C14067	Pack	\$10.75
Chalk, White, box of 12, Anti-Dust®	SB09901	Box	\$0.90
Cheesecloth, Purewipe®, 2-Sq. Yd. Piece	KI01045(E)	Each	\$2.90
Clips, Paper, box/100	9732828	Box	\$0.70
Clips, Paper, Jumbo, box/100	9732829	Box	\$1.10
Cloth, Wool, 6" x 6" pc.	SB13244	Each	\$3.95
Corn Syrup, Light, 32 oz.	KI01041(K)	Each	\$10.95
Cornstarch, 16 oz.	KI01039(V)	Each	\$4.75
Cotton Balls, Nonsterile, pk/300	KI05571(A)	Pack	\$4.95
Cotton Balls, Triple, bag of 100	KI05571	Bag	\$1.95
Crayons, Crayola®, #8, box of 8	9700786	Box	\$1.05
Cup, Paper, 5 oz., pk/12	K01054(H)	Pack	\$2.95

Description	Product No.	Unit	Price
Cup, Paper, 12 oz., pk/25	KI01431(B)	Pack	\$3.45
Cup, Paper, Cone, 4 oz.	K03250(C)	Each	\$0.10
Cup, Plastic, Clear, 3 oz., pk/40	KI01037(B)	Pack	\$6.70
Cup, Plastic, Clear, 10 oz., pk/16	KI01033(N)	Pack	\$4.95
Cup, Plastic, Clear, 10 oz.	SB41297	Each	\$0.55
Cup, Styrofoam™, 8 oz., pk/50	SB51682	Pack	\$5.00
Detergent, Liquid, 8 oz.	KI01054(V)	Each	\$4.25
Dish, Petri, 90 mm, pack of 20	SA00371	Pack	\$8.25
Dissecting Pins, 2", ½ lb. Box	SA01463	Box	\$11.75
Dominoes, Double Six, pk/28 ▲ CHOKING HAZARD (1). Not for under 3 yrs.	TBI5635	Pack	\$2.25
Dropper, Medicine, 3" – 2 ml, pk/12	SA01161	Pack	\$5.25
Dropper, Plastic, Eye, pk/15	KI01066(A)	Pack	\$3.35
Fastener, Paper, #2, ½", box of 100	9701168	Box	\$1.90
Film Canister, pk/48	K01045(B)	Pack	\$27.25
Fishing Line, 25-yd. spool	9742234	Spool	\$3.50
Flashlight	SB13626	Each	\$5.00
Flour, 2 lbs.	KI01058(K)	Each	\$4.95
Food Coloring, Blue, 30 ml	KI01054(L)	Each	\$2.95
Food Coloring, Green, 30 ml	KI01210(D)	Each	\$2.95
Food Coloring, Red, 30 ml	KI01039(X)	Each	\$2.95
Food Coloring, Box of 4	K00454	Box	\$10.95
Funnels, 2½" dia., pk/15	K01066(B)	Pack	\$14.70
Graph Paper, 8½" x 11", 50 sheets	9706099	Pack	\$2.25
Gravel, 1 kg	K01042(F)	Each	\$2.95
Gravel/Pebble, 1 kg (2.50 lbs.)	KI01049(I)	Each	\$4.50
Humus, 4-liter pkg.	K01048(J)	Each	\$5.75



Additional shipping charges apply.

Description	Product No.	Unit	Price
Ice Cream Sticks, pk/30	KI01046(X)	Pack	\$1.20
Iron Filings, Shaker, 1 lb.	S06119	Each	\$6.95
Lighter	◆ KI03662(H)	Each	\$3.30
Litmus Paper Strip, Blue, pk/100	K00173	Pack	\$1.95
Litmus Paper Strip, Blue and Red, pk/200	SB50608	Pack	\$3.75
Litmus Paper Strip, Red, pk/100	K00174	Pack	\$1.95
Magnet Bar, 2"L, 1 pair	SB14309	Each	\$10.50
Magnet, Ring, Ceramic, pk/6 ▲ CHOKING HAZARD (1). Not for under 3 yrs.	K01056(K)	Pack	\$8.95
Magnifier, Plastic, 3X/6X	SB18031	Each	\$1.65
Marble, 1", pk/16 ▲ CHOKING HAZARD (1). Not for under 3 yrs.	K01033(P)	Pack	\$3.95
Marble, ¾", pk/20 ▲ CHOKING HAZARD (1). Not for under 3 yrs.	KI01046(F)	Pack	\$1.95
Marble, ¼", pk/90 ▲ CHOKING HAZARD (1). Not for under 3 yrs.	K01056(L)	Pack	\$9.95
Masking Tape, ¾" x 60 yd.	9722434	Each	\$2.55
Measuring Cup, 8-oz.	SB41295	Each	\$1.75
Medicine Cup, pk/100	K01044(A)	Pack	\$3.05
Mirror, Acrylic, 3" x 5", pk/16	K01043(B)	Pack	\$20.50
Nutrient Agar, Liquid, 125 ml	KI03630(CB)	Each	\$6.00
Pan, Aluminum, 8" Square	KI01049(C)	Each	\$1.05
Paper, Chromatography, 15 cm x 2 cm, pk/100	SB52175	Pack	\$3.75
Paper, Graph, ¼", 11" x 17", pd/50	9706100	Pad	\$3.25
Paper Towel, White, 100 Sheet Roll	K00786	Roll	\$4.50
Pencil, China Marking, Black, pk/12	9701022	Pack	\$11.95
Ping Pong Ball, 1½" (38 mm) dia., pk/16	KI01033(D)	Pack	\$3.75
Pipe Cleaner, White, bag/100	0500592(A)	Bag	\$2.35
Plastic Wrap, Clear, 12" x 100'	KI01037(I)	Each	\$3.95
Plate, Paper, 9", pk/40	K01046(T)	Pack	\$4.95
Potting Soil, 4 qt.	KI01037(P)	Each	\$3.95
PTC Paper Strips, Vial of 100	K01525(F)	Each	\$4.05
Pulley, Single Sheave	SB12099	Each	\$3.55
Rod, Stirring Glass, 8"	K00186	Each	\$1.00

Description	Product No.	Unit	Price
Rope, Clothesline, Cotton	SB41296	Each	\$5.25
Salt, Table, 26 oz.	K00359	Each	\$2.55
Sand, Fine, 1 kg	KI01054(U)	Each	\$2.60
Sand, Fine, 2.5 kg	KI01046(V)	Each	\$6.25
Seeds, Bush Bean, 14 g	KI01037(J)	Each	\$2.95
Seeds, Radish, 1 oz.	KI01037(N)	Each	\$4.45
Seeds, Sunflower, Gray Stripe, 1 oz.	SB07340	Each	\$3.95
Soap, Clear, Hand, 7.5 oz.	K03607(NB)	Each	\$3.85
Soap, Clear, Ivory®, 24 oz.	KI03620(QA)	Each	\$6.95
Soap, Hand, Dial® Clean Citrus, 7.5 oz.	SB51198	Each	\$6.95
Soil, Clay, 16 oz.	K01049(L)	Each	\$6.95
Spoon, Plastic, pk/25	KI01046(L)	Pack	\$2.25
Straws, not wrapped, pk/200	KI01033(U)	Pack	\$5.75
String, 300'	K00129	Each	\$3.95
Sugar, Granulated, 1 lb.	KI01044(F)	Each	\$4.00
Tagboard, White, 9" x 11", pk/25	K01034(I)	Pack	\$2.25
Tagboard, White, 22" x 28", pk/100	9700994(B)	Pack	\$30.00
Tape, Adding Machine, 2¼"	KI01043(G)	Each	\$0.98
Tape, Electric, Black, ¾" x 60'	SB50541	Roll	\$1.75
Thermometer, Immersion ▲ CHOKING HAZARD (1). Not for under 3 yrs.	SB15198	Each	\$3.95
Tongue Depressors, box/500	5500190	Box	\$9.50
Toothpicks, Flat, pk/750	KI01046(Y)	Pack	\$2.95
Tray, Brown, 10" x 14"	SB41303	Each	\$4.75
Vegetable Oil, 24 oz.	KI01044(D)	Each	\$6.50
Vinegar, 5% Solution, 1 pt.	K00364	Each	\$2.50
Washer, ¾" O.D., pk/100 ▲ CHOKING HAZARD (1). Not for under 3 yrs.	K01041(I)	Pack	\$8.95
Wax Paper, Roll, 11½" x 75'	KI01046(Z)	Roll	\$4.95
Wipes, Disinfecting, 35 wipes	K03161(A)	Each	\$7.75
Yeast, Red Star, Dry, pk/3	KI01172(B)	Pack	\$4.85

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▲ See page 3 for complete Choking Hazard Label Information.

◆ DOT hazardous material    ⚡ Subject to DOT hazardous material surcharge.





**EARTH SCIENCE**

Earth Science gives students the ability to explore the connections between the land, ocean, atmosphere, and life on our planet.

Start their exploration with experiments, weather kits, solar system replicas, and other tools that will help them learn about the planet we call home.



ONLY AT NASCO

**Nasco Soil Classroom Kit**

**Gr. 5-9** Gain an understanding of soil formation, soil composition, and soil chemistry, plus how soil factors into plant growth and ecosystems. Test the pH and NPK levels of soil samples, differentiate soil samples, and grow plants in various soils. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.

SB48134 – \$235.00



**Combination pH, Nitrate, Phosphorus, Potassium Outfit**

Great for AP Environmental Science classes. Combination soil test kit with step-by-step instructions for individual or classroom use. Test result readings are measured against Mylar® laminated color charts. Enough reagents for 30 pH tests, 15 nitrogen tests, 20 phosphorous tests, and 15 potassium tests, plus 2 booklets. Comes with a hard case.

◆ C08704 – \$89.00

- Soil **68-70**
- Water **71-73**
- Oceanography **74**
- Environmental **75-76, 78-79**
- Tracking **77**
- Weather **80-87**
- Geology **88-91**
- Globes & Maps **92-93**
- Rocks & Minerals **94-97**



**Soil NPK Test Kit**

**Gr. 5+** Perform up to 50 tests each for nitrogen, phosphorus, and potassium levels using non-hazardous TestTabs®. Comes with apparatus, instructions, and a laminated color chart.

SB42195 – \$40.50

**DIG INTO SOIL TESTING**  
and explore its importance to agriculture and conservation



**Elementary Sieve Set**

Soil sorting just got easier for younger students with this colorful, nearly unbreakable set. Separate particle sizes into layers with the 5 plastic sieves. Each 8" dia. sieve is a solid-molded piece of polypropylene plastic. Catch pan at the bottom holds the smallest particles. Includes 5 mesh sieves with hole sizes of 9/16", 1/2", 7/16", 5/16", and 1/4" and instructions.

SB48161 – \$37.95



**Soil Test Kit**

Give soil a checkup with simple, three-step tests that detect levels of common chemicals. Kit includes comparator box and 10 capsules for each of the following tests: pH, nitrogen, phosphorus, and potassium.

C14572 – \$19.95

**Refill Pack for Soil Test Kit.** Includes 10 capsules for each test (pH, nitrogen, potash, and phosphorus).

C34288 – \$11.95

**How Soils Are Formed Collection**

Contains rocks and minerals that break down to become the major components for soils. 15 number-coded specimens in a compartmented container with 1 1/2" x 1 1/2" compartments. Soils come in plastic bags.

C30192 – \$30.25



⚠ See page 3 for complete Choking Hazard Label Information.

◆ DOT hazardous material    ⚡ Subject to DOT hazardous material surcharge.





### Soil Analysis Kit

**Gr. 6+** Soil composition has been a keystone in earth science classrooms for many years. This kit will teach students the skills needed to properly conduct soil composition tests as well as allow them to collect and evaluate local soil samples. By bringing in local soil samples, students can build a stronger connection to their own local environment while still building on a knowledge base that can be applied to any other environment.

**SB52473 – \$272.50**

**NEW**



### Kemtec™ A Space Farm Kit

**Gr. 4–6** Experiment with soil-less growing to understand how we might grow our food in an outer space environment different from Earth's. Includes information about hydroponic cultivation, petri dishes, space soil, seed germination media, space nutrients, plastic zip bags, plastic grow cups with lids, toothpicks, pea seeds, sunflower seeds. No included: one 1,000 mL beaker or one 2 qt. container and distilled water. For 24 students. Meets NGSS.

**◆ NE30587 – \$154.00**



**ONLY AT NASCO**

### Nasco Elementary Soil Classes

Identify the characteristics of the basic soil classes (sands, loams, and clays). Eight basic soil types (sandy loam, loam soil, clay soil, silt loam, muck soil, peat soil, clay loam, and sandy soil) in plastic tubes. Includes safety tube holders and extra tubes for collecting samples.

**SB43552 – \$60.95**

### Soil Horizons

Presents and defines each layer of soil (organic, topsoil, eluviation, subsoil, regolith, bedrock). Display is topped off with a stem of grass showing the roots, as well as a mushroom with mycelium extending into topsoil. 12" x 16".

**C34457 – \$194.95**



### Nasco Soil Classes Kit

Eight glass jars in thermo-formed plastic tray (one each of sand, sandy loam, clay loam, peat loam, silt loam, loam, clay, and muck).

**LS00519 – \$50.95**



### Green Water Monitoring Kit

**Gr. 4+** Low-cost, portable, easy-to-use water testing kit will analyze water samples for phosphate, temperature, turbidity, coliform bacteria, pH, dissolved oxygen, biochemical oxygen demand, and nitrate. Test fresh, brackish, or saline aquatic environments. Nonhazardous TesTabs®, instructions, and color chart. For 5–6 students.

**SB33597 – \$52.95**



### United Scientific Water Sampler

**Gr. 5+** Capture water samples from specific depths with a water sampler. Made from impact-resistant PVC with soft rubber seals. Holds up to 1½ liters of liquid. When the desired depth is reached, students should pull the attached line to close the apparatus. Includes 20 m line on Styrofoam winding float and an activity guide.

**NE30298 – \$100.95**



### Urban Water Test Kit

**Gr. 3+** Introduce the basic concepts of water chemistry. Test tap water from any source and study the impact of urban water on the city's environment.

**EL12088 – \$69.95**



### Nitrate/Nitrite Water Quality Test Strips

Fast, easy, and reliable water test strips. Measure nitrate nitrogen and nitrite nitrogen. Nitrate range: 0, 0.5, 2, 5, 10, 20, and 50 ppm. Nitrite range: 0.15, 0.3, 1, 1.5, 3, and 10 ppm. Results obtained in 60 seconds. 50 test strips.

**SB27487 – \$19.95**

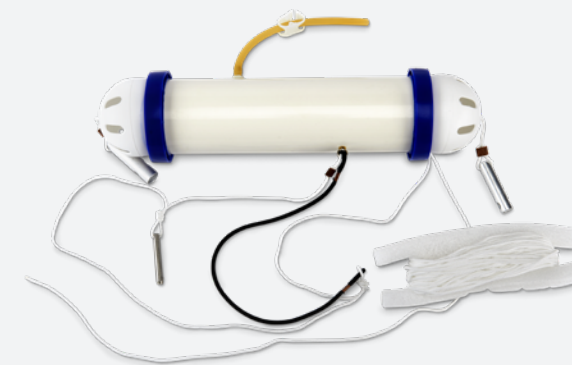


### Digital Tapwater Tour

**Gr. 4–8** Hands-on science curriculum and water test kit lets students investigate how and why the characteristics of tap water can vary and affect everyday activities. After reviewing material about pH, chlorine, hardness, copper, and iron, students work independently and in teams to test their own tap water samples. Classroom color chart, reagents, sample test bags, and an access code to downloadable versions of the instructor and student manuals. For 50 students.

**SB53277 – \$97.50**

**Refill Kit  
SB53278 – \$78.95**



### Water Sampler

Sample water from any desired depth. Single-line trigger mechanism uses one line to both raise and lower the sampler and a trigger to seal the collection chamber; eliminating tangled lines. Flow-through design provides 1.5-liter volume of water from which temperature and dissolved oxygen content can be determined. 18½" L x 3½" dia.

**SB21418 – \$81.95**





SB42510



SB42511



SB42508

### Water Test Strips

A quick and easy method of accurately measuring water quality. Each test has 50 strips.

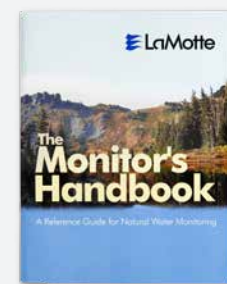
Product No.	Test	ppm	Intervals	Each
SB42508	Phosphate	10-100	0, 10, 25, 50, and 100 ppm	\$18.95
SB42510	Hardness		0, 50, 125, 250, and 500 ppm	\$16.25
SB42511*	Fluoride	10-100	0, 10, 25, 50, and 100 ppm	\$17.00

\* Test strips may be used to determine presence of fluoride in drinking water. NOTE: In order for the strips to work properly, hydrochloric acid solution (see p. 116) is needed. Use 1 oz. water to 1 oz. hydrochloric acid.

### WaterWorks 9-Way Classroom Test Kit

**Gr. 3-9** Test strips for testing 9 different parameters (free chlorine, total chlorine, pH, total alkalinity, iron, copper, total hardness, nitrite nitrogen, and nitrate nitrogen). Nonhazardous test strips feature quick, accurate, and inexpensive water testing with easy-to-follow dip and read instructions. 60 tests for each parameter, activity booklet, pipettes, and vials. For 30 students.

SB31266 — \$115.95



### TesTab® Water Investigation Kit

Investigate water pollution using safe, simple TesTab® reagents. Lightweight, field carrying case houses 12 individual test modules. Each module contains diagrammed instructions that are easy to read, color chart, test factor flash card, and all the necessary apparatus and nonhazardous TesTabs® to perform 100 tests. Also includes a manual and *The Monitor's Handbook*.

SB31250 — \$335.00

### Water Nitrate-Nitrogen Test Kit

Two-tablet reagent system to measure nitrate-nitrogen from 0 to 15 ppm (0 to 66 ppm as nitrate) in one-third of the time required for other nitrate kits. Unit-dose, foil-packaged tablet reagents eliminate the use of cadmium. Tablets for 50 tests; plastic test tubes with spill-proof caps; and plastic Octa-Slide color comparator with values 0, 1, 2, 4, 6, 8, 10, and 15 ppm nitrate-nitrogen.

CI5162 — \$79.80



A

ONLY AT NASCO

### A. Nasco Creature Seeker Pond Kit

**Gr. 3-9** Use microscopes and photo keys to identify creatures in the water, relate organisms found to the health of the ecosystem, keep records of results, and more. Includes field trip collection container, 3½-gallon pail, nylon pipette, 4 petri dishes, 4 plastic spoons, 4 plastic cups (3 oz. each), two-way microscope, 4 hand magnifiers, 8" x 12" plant trays, 4" plastic forceps, dry-erase marker, nylon ladle, insect net, 3 different laminated keys to macro-invertebrates sheets, and instructions.

⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
SB44662 — \$77.95

### B. Fieldmaster® Student Net

Investigate ponds, streams, lakes, and seashores. Net has 3 mesh openings. Nitex® nylon collects even the smallest size plankton. Patented Mini Dolphin™ adapter with 125 ml sample bottle can be used in place of a bucket. Fine mesh, 80 microns.

SB37276 — \$125.00



B

EXCLUDED FROM DISCOUNTS



C

### C. Student Aquatic Net

8" square steel hoop, 6"D mesh capturing bag, soft 3/16" mesh grid size, and 20" knotless pine handle.

SB43412 — \$6.25

### D. Dissolved Oxygen TRACER PockeTester™

Waterproof PockeTester™ can be intermittently submerged to a depth of 3'. Waterproof feature makes cleanup easy and quick. Oxygen level displayed as % saturation from 0 to 200.0% or concentration from 0 to 20 ppm (mg/L). Adjustable altitude compensation: 0–20,000' in 1,000' increments. Adjustable salinity compensation from 0–50 ppt. Memory stores up to 25 data sets with DO and temperature reading. Self-calibration on power up, data hold, auto power off, and low battery indicator, DO electrode, protective sensor cap, spare membrane cap, electrolyte, four 1.5V SR44W batteries, and 48" neck strap.

SB40757 — \$579.00



D



E

### E. Armored Thermometer

Precision, non-mercury thermometer in protective plastic jacket with window opening. Engraved graduations on white tubing increase readability over range of -5° C to 45° C in 0.5° increments. 6"W x 1"H.

SB42137 — \$31.95

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### Pondwater Tour Kit

**Gr. 4–8** Hands-on test kit guides students through the study and measurement of changes in dissolved oxygen, nitrate, pH, and ammonia in a lake, stream, pond, or aquarium. Lecture materials, handouts, teacher tips, test procedures, data sheets, games to reinforce key concepts, TesTabs® reagent tablets, and sample test bags for a class of 50 students.

◆ SB26203 – \$110.95

Reagent Refill Only

◆ SB26204 – \$87.95



### Ocean in a Box

Set of 20 specimens includes algae, sea bean, finger sponge, silk or wool sponge, sea horse, hard coral, soft coral, sea star (starfish), sand dollar, barnacle shell, center-cut shell, tusk shell, moon snail shell, turritella shell, olive shell, turkey wing shell, pectin shell, clam shell, murex shell, and turban shell. Specimens individually bagged with fact card. 10" x 7" x 4" cardboard box. Specimens may vary.

SB40476 – \$46.95



### Electrochemical Remediation of Wastewater

**Gr. 6+** Perform an alternative, greener approach to wastewater treatment. Electrocoagulation, a process for treating wastewater carried out by an electrical charge. For 15 groups.

SB45474 – \$76.95



### PocketLab Air Sensor

Wireless sensor sends data to an app for exploring the world and investigating air quality and climate. Sensor functions allow viewing of data in real-time. Connect to your device via Bluetooth® 4.0 and instantly stream data simultaneously on carbon dioxide, ozone, particulate matter, air quality index, barometric pressure, humidity, light, and ambient temperature. Record up to 30,000 measurements to the onboard memory and integrate through PocketLab Cloud Software, Google Drive™, or Microsoft® Excel. App is compatible with iOS, Android™, Mac OS®, and Chromebook™. Rechargeable lithium polymer battery lasts up to 12 hours. Wireless range: 250' (76 m) line-of-sight. 4" x 2½" x 1¼".

SB53295 – \$348.00

**NEW**



### Kemtec™ Ocean Science Kit

**Gr. 5–9** Examine the physical and chemical properties of seawater and learn how they affect ocean currents and marine environments. Then explore the effects of heat from the sun, precipitation, evaporation, freezing and thawing of sea ice, the inflow of fresh water from rivers, effects of new dams, melting ice caps, and global temperature drops. For 24 students. Meets NGSS.

NE30590 – \$99.00



EXCLUDED FROM DISCOUNTS

### Leaf Pack Experiments Stream Ecology Kit

**Gr. 3+** Design, implement, and analyze a scientific investigation while discovering the value of aquatic macroinvertebrates as living indicators of water quality and the overall health of a stream ecosystem. Includes instructor's manual with background material on stream ecology, glossary, diagrammed instructions, experiment ideas, and field and lab data sheets. Use for AP Environmental Science classes.

SB29984 – \$326.00



ONLY AT NASCO

### Nasco Ocean Acidification Kit

**Gr. 6–12** While most discussions about climate change focus on atmospheric CO<sub>2</sub> concentration and surface temperature changes, this kit explores changes to our oceans. How could climate change affect them? Aligned to NGSS, students will build their own conclusions through research, discussion, and experimentation. Includes air sensor for data collection, beakers, pH solutions, and teacher guide.

SB53393 – \$505.00



### Water Treatment & Filtration Kit

**Gr. 6+** Water delivered by municipal water supply must be treated prior to delivery to ensure health and safety. Perform several of these steps on "raw" water and examine changes in the physical properties after each step. For 15 groups.

SB45473 – \$78.95



### Decomposition Kit

**Gr. 5+** Explores two very important concepts in studying life cycles: biodegradability and decomposition. Participants investigate the effect of various factors on decomposition and biodegradability. For 50 students or 24 groups. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.

SB28793 – \$191.50

**BEST SELLER**

### Now You See It, Now You Don't™ See-Through Compost Container

Learn about decomposition, composting, life cycles, and environmental education. Three aerated compartments let students view the decomposition process and make side-by-side comparisons. 5¼"D x 13"W x 8"H clear plastic box with faux grass top, thermometers, and guide.

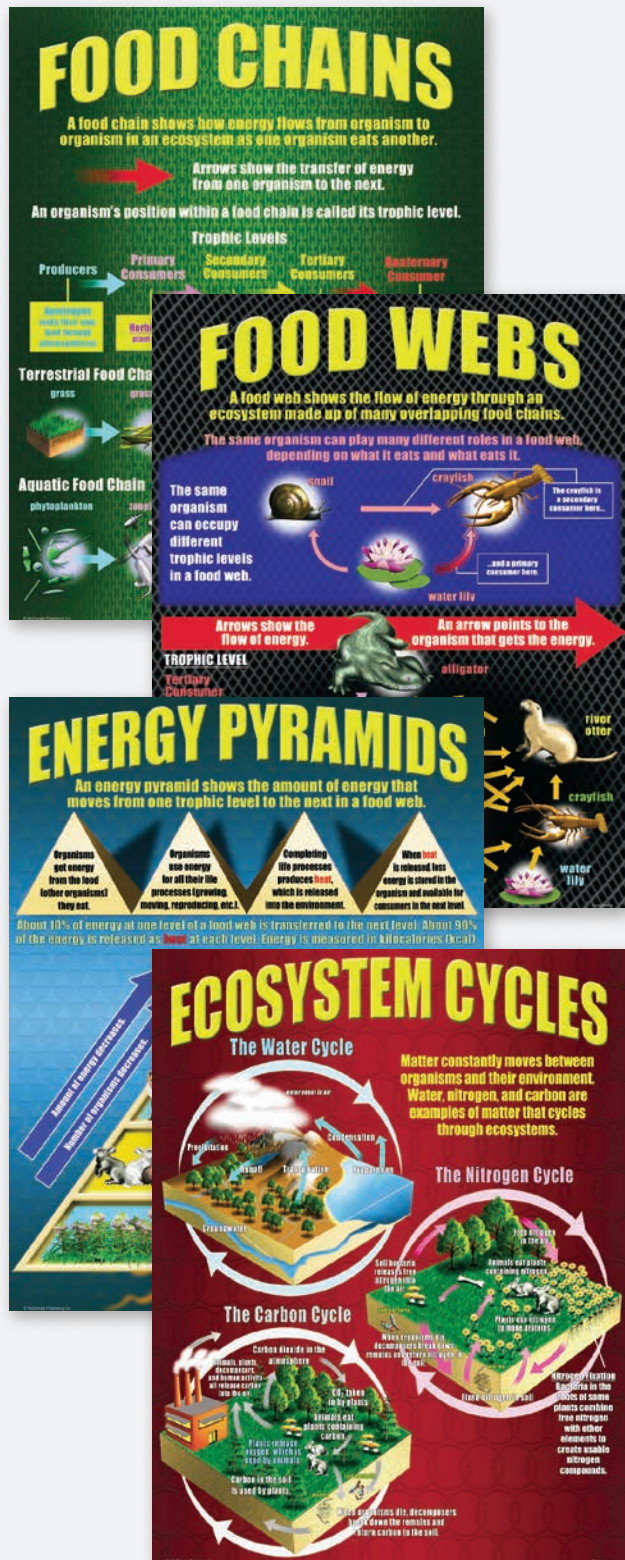
SB47477 – \$44.95



⚠ See page 3 for complete Choking Hazard Label Information.

◆ DOT hazardous material ⚡ Subject to DOT hazardous material surcharge.





**Ecosystems Teaching Poster Set**

Focus on food chains, food webs, and energy pyramids show how energy moves through an ecosystem and the interactions between organisms within it. Cycle models show how matter flows through organisms and the physical environment. Includes 4 posters (17" x 22"), 4 reproducible activity sheets, and a teacher's guide. **SB50481 – \$9.95**



**Science Learning Center – Ecosystems, Food Chains, & Food Web Gr. 5+** Learn and review essential standards-based environmental science skills. Designed for teacher-directed instruction or independent learning working in groups of 2-4 students. **SB53130 – \$35.95**



**Ecological Succession**

**Gr. 6+** Game provides an active learning alternative to passive methods of studying ecological succession. Within each successional stage, students react to disturbance events and come to understand how disturbances affect the different communities. For 24 students working in groups of 4. **SB51216 – \$138.95**



**Nasco Track Mold Kits**

- Identify wildlife from tracks
- Use in all animal and bird study
- Plaster casting, 5 lbs.
- Study adaptation to environment
- Ink prints
- Reproduce tracks and track patterns in class

Aids students in the study of animal life. By making replicas, they become familiar with tracks of wild, domestic, and exotic animals. Kits contain all materials needed for making replicas — a variety of molds made from actual animal tracks, 5-lb. tub of casting plaster, and instructions.

**Volume 1**

One foot of wolverine, wolf, and yearling moose; fore and hind foot of fisher, porcupine, snowshoe rabbit, and land otter. **SB33680 – \$149.95**

**Volume 3**

Fore and hind foot for mink, coyote, woodchuck, gray fox, opossum, gray squirrel, and deer. **SA05425 – \$134.95**

**Volume 4**

Fore and hind foot molds of mountain lion, badger, antelope, and jack rabbit; 1 foot of elk and buffalo. **SA05426 – \$172.95**

**Casting Plaster, 5-lb. package.** **9730282 – \$21.00 24+ \$18.22**



SB33680



Moose

Bald eagle

**Individual Tracks**

**SB46523** Yearling moose. 8 3/4" L x 3 1/4" W x 1 1/8" H — **\$27.95**

**SA00398** Bald eagle. 8 3/4" L x 3 3/8" W x 1 1/8" H — **\$11.00**

**ONLY AT NASCO**  
Use molds made from actual animal tracks to make replicas to help students identify wildlife



**Nasco Bucket of Scat**

Includes 13 scat replicas of common North American animals in storage bucket. **SB49923 – \$129.95**





**Nasco Owl Pellets**  
Compact balls of fur, feathers, and bone that have been regurgitated by an owl after feeding. Dissection of these pellets helps students gain insight to predator-prey relationships.  
SB09759 – \$4.25

**Small Pellets**  
SB09759(SM) – \$2.55

**Nasco Bucket O' Pellets – Large.** 100 large pellets in plastic bucket with lid.  
SB42866 – \$325.00



**ONLY AT NASCO**

**Nasco Owl Pellet Classroom Kit**  
Gr. 4–8 Everything you need to begin owl pellet dissection. Teaches predator-prey relationships, energy transfer through food chains, and more. Includes a bucket with 100 owl pellets, 15 learning guides for students working in pairs, and a 40-page resource guide with lessons, vocabulary, and assessments. Aligned to NGSS.  
SB53337 – \$415.00



**ONLY AT NASCO**

**Nasco Basic Owl Pellet Kit**  
Gr. 3–7 Study food chains from regurgitated owl pellets easily dissected to expose skulls and other skeletal parts. Undigested remains provide bones, teeth, hair, or feathers of prey animals. Charts of skulls and skeletons help identify prey animals. Includes 15 dried and fumigated owl pellets wrapped in aluminum, 15 student worksheets, and teacher's guide.  
SB20193 – \$58.95

**NEW**

*Reusable owl pellets look just like the real thing!*



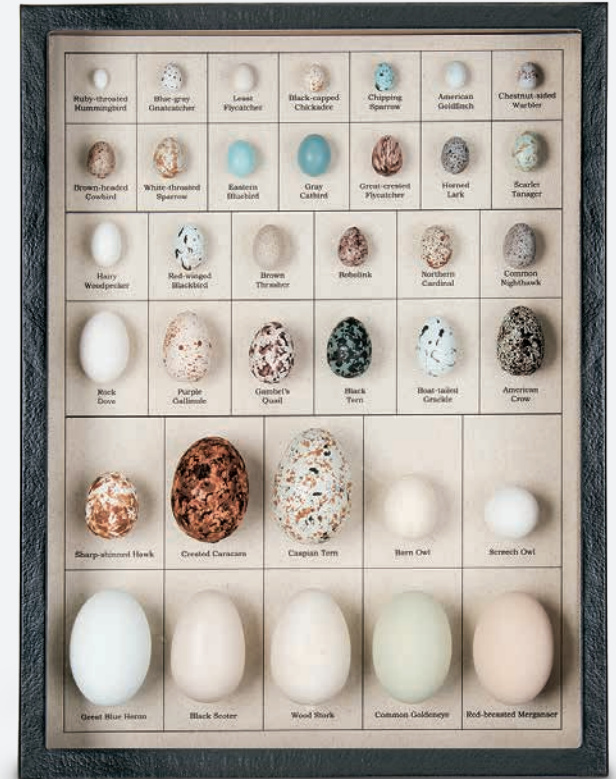
**Eisco Simulated Owl Pellets**  
Get a clean and safe dissection experience every time with reusable simulated owl pellets containing highly detailed skeleton replicas. Carefully designed by laboratory professionals and engineers with quality and durability in mind. Handmade with the highest-grade raw materials according to international quality standards.  
⚠ CHOKING HAZARD (I). Not for under 3 yrs.  
NE30583 Single Pellet, Mouse – \$14.95  
NE30584 Single Pellet, Bird – \$14.95  
NE30585 Single Pellet, Vole – \$14.95



*Grids break down for easy storage*



**Field Identification Grid**  
Use for group field identification. PVC pipe grid is easily folded and stored. 20" L x 20" W.  
SB42804 – \$32.95



**Eggs of North American Birds**  
Set of 36 true-to-life replicas show eggs laid by a diverse collection of North American birds, from the diminutive ruby-throated hummingbird to the great blue heron. Replicas secured in a labeled 12" x 16" exhibit case.  
SB51345 – \$430.00



**ONLY AT NASCO**

**Nasco Food Web Collapse Game**  
Gr. 5–8 Fast-moving strategy game teaches the structure and function of food webs. A round takes 10–15 minutes. Aligns with all state standards for teaching about food webs. Guide sheets, cards, stickers, and instructions. For up to 30 players.  
SB47891 – \$42.95



**Animal Bites™**  
Gr. 2+ Learn about the diversity of diet within the animal kingdom. Includes samples from each group: herbivore (beaver, mountain gorilla, hippo); carnivore (coyote, African lion, alligator); and omnivore (human, grizzly bear, baboon). Includes lesson plans and interactive exercises.  
SB37286 – \$129.95





### Acurite® 5-in-1 Weather Station with Color Display

Keep current with temperature, humidity level, barometric readings, wind readings, and forecast. Forecast indicator includes icons with 14 different weather conditions and self-calibrates for altitude. View past temperatures, humidity, and barometric pressure readings. Continuous streaming weather ticker scrolls text and provides weather alerts. Connect display to a computer to download weather data. Main unit has a temperature range of 32° to 122° F (0° to 50° C) and a humidity range of 16% to 98%. Outdoor sensor has a temperature range of -40° to 158° F (-40° to 70° C), humidity range of 1% to 99%, wind range of 0–99 MPH, RF range of 330' (100 m), and measures rainfall up to 100". AC adapter for display included. Sensor requires 4 "AA" batteries (not included). 2 year battery life. View your sensors on any iPhone, Android smartphone, computer or tablet with the complimentary My AcuRite App. **BEST SELLER SB50359 – \$274.99**

**With Lightning Detector.** Measures temperature, humidity, wind speed, wind direction, and rain. Alerts you to oncoming storms from up to 25 miles (40 km) away, with real-time streaming capabilities. Outdoor sensor temperature range: -40° to 158° F (-40° to 70° C). Humidity range: 1% to 99%. Wind range: 0 to 99 mph. Rainfall: 0.05" per inch of rainfall. Wireless range: 330'. **SB52022 – \$232.95**



### Weather Station Kit

**Gr. 3+** Features a wind vane, anemometer, thermometer, and rain gauge. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB48176 – \$20.95**

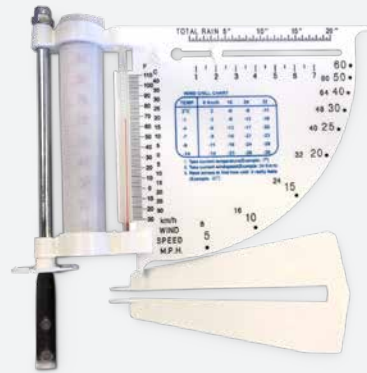


### Soda Bottles

Cap not included, sold separately (SB53276, below).

Product No.	Size	Each	10+
SB53274	2 liter	\$1.75	\$1.56
SB53275	20 oz.	\$1.35	\$1.22

**Soda Bottle Cap.** **CHOKING HAZARD (1).** Not for under 3 yrs. **SB53276 – \$0.50 10+ \$0.45**



### United Scientific Mini Weather Station

**Gr. 5+** Introduce students to basic weather concepts with this versatile apparatus. Use to measure temperature and wind speed, then reference the chart to calculate wind chill. It freely rotates to indicate wind direction. Removable rain gauge can be used to quickly assess rainfall. **NE30302 – \$9.00**



### Acurite® Digital Weather Station

Teach students all about the weather by monitoring conditions in real-time! Measures and displays outdoor temperature, humidity, daily high/low records, and barometric pressure; indoor temperature and humidity; moon phase, date, and time. LCD display and wireless sensor. Requires 2 AA batteries (not included). Includes one-year limited warranty. **NE30445 – \$49.99**



### Acurite® Atlas 7-in-1 Weather Station

Engage students with minute-by-minute weather updates! Measures and displays outdoor temperature, humidity, wind speed/direction, UV, light intensity, barometric pressure, rain totals, indoor temperature, humidity, and barometric pressure. HD display with optional battery backup, wireless sensor, and lightning detector. One-year limited warranty. **NE30444 – \$359.99**



### Indoor/Outdoor Giant Round Thermometer

12" dia. display thermometer with large numbers for reading at a distance. Range: -40° to 140° F (-40° to 60° C). Keyhole slot for mounting. **SB42182 – \$24.95**



### Thermometer with Relative Humidity

Jumbo thermometer is easy to read at a distance. 12" dia. Fahrenheit, Celsius, and relative humidity scales. Hang indoors or out. All metal construction with plastic covered face. **SB01068 – \$29.95**



### Galileo Thermometer

Glass cylinder thermometer contains hand-blown, calibrated glass spheres, each imprinted with designated temperature reading medallions. As temperatures fall, spheres will rise; as temperatures rise, spheres will sink. Range: 60° to 100° F. 24"H. **SB31402 – \$74.95**

**BEST SELLER**



### Acurite® Galileo Thermometer & Barometer

Temperature range: 64° to 80° F. Determine atmospheric pressure by the level of liquid in the barometer. Low level indicates high pressure and fair weather; high level predicts bad weather is on the way. Instruments come together on a wooden base. 4½" x ¾" x 9". **SB48147 – \$39.95**



### Acurite® Color Weather Forecaster

Measures indoor/outdoor temperature. Displays daily highs and lows. 12- to 24-hour forecast. Atomic clock and calendar. 1"D x 7⅞"W x 6⅜"H. For tabletop or hang on wall. Sensor range: -40° to 158° F (-40° to 70° C) and an RF range of 330'. Requires 5 "AA" (not included). **SB52517 – \$81.95**



### Acurite® Indoor Temperature and Humidity Monitor

Temperature sensor: -40° to 158° F (-20° to 70° C). Indoor humidity: 1% to 99%. 24-hour highs and lows. Wireless. 2½"L x 1"W x 3"H. Requires 2 "AAA" batteries (not included). **SB52516 – \$22.95**



### Acurite® Color Weather Station

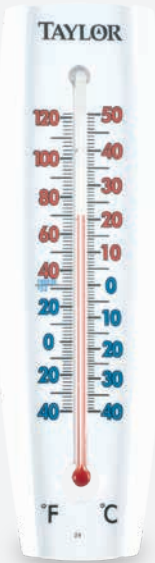
LCD screen with indoor/outdoor temperature and humidity, barometric pressure, cloud cover, precipitation, 12-hour weather history, calendar, and clock. Tabletop or wall mount. Wireless range: 330'. Temperature range: -40° to 158° F (-40° to 70° C); accuracy ±2° F. Humidity range: 1% to 99%. 8"L x 7"W x 3"D. Sensor requires 2 "AA" batteries (not included). **SB51160 – \$102.95**



### Modeling Convection Currents

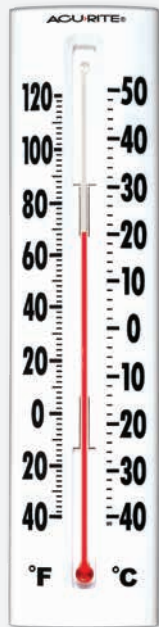
**Gr. 6+** Students in small groups investigate convection currents in water and develop an understanding of the relationship between water temperature and its movement. Analyze data about the earth's layers and convection currents in the lithosphere. Explains tectonic plate motion. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB45742 – \$116.95**





**Taylor® Weather Thermometers**  
Spirit thermometer is easy-to-read. -40° to 120° F (-40° to 50° C). Weather resistant. Indoor/outdoor use. Set of 6; 7½" x 2¾".  
S01034 – \$19.95

**BEST SELLER**



**Classroom Thermometer**  
Indoor/outdoor use. Wall-mounted. Range: -40° to 120° F (-40° to 50° C). 14" x 3".  
TBI8809 – \$8.75



**Giant Classroom Thermometer**  
30" wall-mounted thermometer has 23" tube on a wooden base. F°/C° scales. Range: -40° to 120° F (-40° to 50° C).  
◆ TBI5831 – \$39.95

**EXCLUDED FROM DISCOUNTS**



**PocketLab Sensors - PocketLab Weather**  
A rugged weather center that can measure temperature, humidity, light, barometric pressure, heat index, dew point, and can connect to an external temperature probe. Build a weather balloon and use PocketLab Weather to gather climate data as it travels through the sky and discover why lightning strikes by observing changes in atmospheric data during a storm. Ideal for maker projects and science experiments. Open access to over 35 online experiments and demos. Wireless range: 250' (76 m) line-of-sight. Onboard memory: 32,000 data readings. Rechargeable battery provides over 40 hours of use per charge during wireless operation. Bluetooth® 4.0 wireless connection. PocketLab app is compatible with iOS, Android™, Windows® 10, Mac OS®, and Chromebook™. 1½" x 1½" x ¾". ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
NAI0341 – \$128.00

**BEST SELLER**



**Wind Vane**  
**Gr. 8+** Economical tool for meteorology lessons. Each directional pole is marked with 1½"H letters. Sensitive cone bearing assembly responds to the slightest wind. Tip-resistant plastic base. 3½" x 3½" x 7¾". Vane length (rudder to pointer): 7½". ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
SB43543 – \$25.00



**Weather Ball Barometer**  
Indicates changes in air pressure quickly and accurately. Once the ball is filled with colored distilled water, air trapped inside ball is no longer subject to variations in atmospheric pressure. 7½"H x 4" dia.  
SB33482 – \$36.95



**Weather Center**  
**Gr. K-4** Create a weather station with a 3" barometer, hygrometer, and F/C thermometer. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
SB41073 – \$45.95



**Dial Barometer**  
Large, clear, dual scale in hPa (hecto Pascal), and mmHg on a 4" dia. dial that is easy to read from a distance. Accuracy of ±3 to 4 hPa. Wall mount.  
SB23610 – \$30.95



**Anemometer**  
Demonstrates operating principle of cup anemometers. Extra-sensitive model responds to wind velocities of 2 mph. Made of corrosion-resistant materials for outdoor use. Includes teacher's guide.  
SB16581 – \$14.95



**Hand-Held Anemometer**  
Get a direct reading of wind speed without count revolutions. As wind blows harder, arms move, lifting reading bar.  
SB25130 – \$34.50

**BEST SELLER**



**NeuLog CO<sub>2</sub> Sensor**  
Plug-and-play technology allows for an intuitive, easy-to-use data logging platform. Wireless (SB50671) or USB (SB50672) required to operate sensor. See p. 35 for complete description.  
SB51188 – \$325.00

**Mini Environmental Quality Meter**

Monitor wind speed, air temperature, and relative humidity. Lightweight unit with backlight senses airflow as low as 0.4 m/s. Min./max. and hold features. Wrist strap, carry pouch, and button cell battery. 4¾" x 1¾" x ¾".  
SB49886 – \$139.95



**AcuRite® Portable Anemometer with Inspection Light**

Measures real-time, average, and peak wind speeds. Extendable air velocity meter ensures accurate wind speed readings and measures wind velocity in hard-to-reach places. Customizable wind speed alarm. Backlit LCD and LED inspection light offers reading visibility and vane placement in dimly lit areas. Wind speed range: 0-60 mph and 0-52 knots. Temperature range: -40° to 158° F (-40° to 70° C). 1¾"D x 2½"W x 7¾"H. Requires 3 "AAA" batteries (not included).  
SB52515 – \$50.95



Don't see it here? Find it at [nascoeducation.com](http://nascoeducation.com)

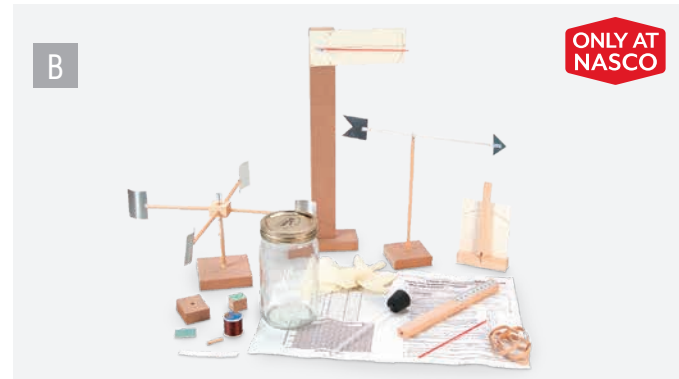


**BEST SELLER**



**ONLY AT NASCO**

Conduct 70 weather investigations!



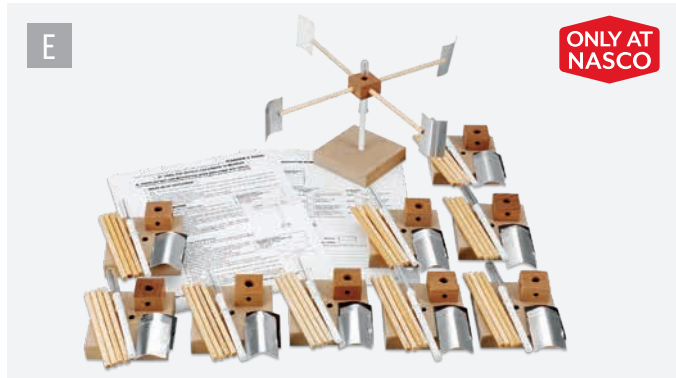
**ONLY AT NASCO**



**ONLY AT NASCO**



**ONLY AT NASCO**



**ONLY AT NASCO**

**A. Nasco Weather Kit**  
**Gr. 6-8** Inquiry-based, idea-centered, hands-on kit dealing with weather phenomena, measurement, and interpretation of weather data. Includes equipment and materials to conduct 70 different investigations/activities, storage chest, and specific weather instrument kits available as separate items. Teacher's guide included. **CHOKING HAZARD (1, 2).** Not for under 3 yrs.  
**SB22636 — \$232.00**

**B. Nasco Weather Mini Kit Instrument Pack**  
 Includes one of each: weather vane, anemometer, barometer, hygrometer, and thermometer. Instructions. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**SB24802 — \$42.95**

**Nasco Weather Kit Instrument Packs**  
 Use to collect weather data for extended periods. For individual or classroom use. Packs of 10.

**C. Weather Vanes**  
**SB22658 — \$49.95**

**D. Barometers**  
**SB22660 — \$104.95**

**E. Anemometers**  
**SB22659 — \$64.95**

**EXCLUDED FROM DISCOUNTS**



**Augmented Reality Sandbox**

Uses 3-D visualization applications and a hands-on exhibit that combines a real sandbox, virtual topography and water created using a closed loop of a 3-D camera, powerful simulation and visualization software, and a data projector. Includes 3-D camera, data projector, laptop loaded with visualization software, and instructions. 32"D x 42"W x 85"H (46"H when shelf is up). Sand not included. **SB250585 — \$10,500.00**



**NEW**

**Thames and Kosmos® Weather and Climate Lab**

**Gr. 1-6** Install the 5-in-1 weather station outdoors and use the built-in wind vane, compass, rain gauge, anemometer, and thermometer to measure and track weather data. Explore air current and pressure, ocean currents, the hydrological cycle, and more while building observation and note-taking skills. Manual includes 8 experiments.  
**NE30501 — \$19.95**



**BEST SELLER**

**Water Cycle Model Activity Set**

**Gr. 5+** This 3-D demonstrator creates a water cycle as it occurs in nature. Model actually causes rain to fall, then evaporate in a continuous cycle. Also graphically shows distillation of water as it changes to gas. Study cards, activity notebook, and full-color overhead transparency.  
**SB25175 — \$117.50**  
**SA09171 Water Cycle Model Only — \$101.95**

**Sea Floor Simulation Kit**

**Gr. 6+** Hand-held or submerged seascape model teaches about sea floor topography, sea floor currents, and plate tectonics. When submerged in a 10-gallon tank (not included), model can simulate current movements with colored dye (not included) and create volcanic eruption bubbles with the use of an air pump (not included). Sea floor model (19"L x 9"W x 6"H), air bubble lines with connectors, suction cups, profile-vocabulary decals, and teacher's guide with 4 activities.  
**SB47450 — \$208.00**





**BEST SELLER**

Explore a microcosm of pollution and runoff

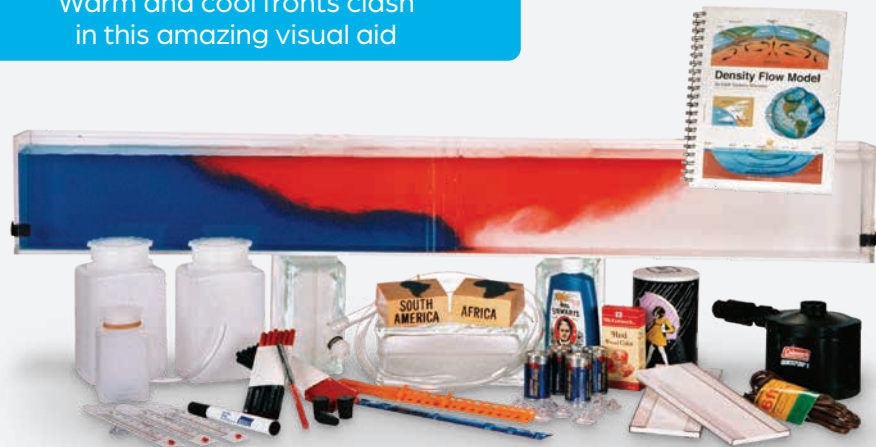


**EnviroScape® Nonpoint Source Watershed Model**

Teaches the watershed concept as well as point and nonpoint pollution. Two waterways flow into a larger water body, which is representative of a lake, river, bay, or ocean. Model tracks pollution from various nonpoint sources, including residential areas, forestry areas, transportation, recreation, agriculture, and construction, as well as from industry as a point source. Pollution and runoff are visually apparent when rain falling over landscape top carries soil (cocoa), chemicals (colored drink mixes), and oil (cocoa and water mixture) through a watershed to a body of water. Best management practices include felt buffer strips as vegetation, clay to create berms, and other methods to show conservation and water pollution prevention measures. Unit comes with everything you need to demonstrate the movement of water through a watershed and the pollution that runoff may cause. **CHOKING HAZARD (1).** Not for under 3 yrs.

Z41122 – \$989.00

Warm and cool fronts clash in this amazing visual aid



**Density Flow Model**

Use scientific inquiry techniques to explore concepts related to geology, meteorology, and fresh and saltwater systems. Flow of brightly colored fluids help students visualize density concepts as they relate to plate tectonics, sea floor spreading, air masses, fronts, air pressure, winds, ocean currents, thermoclines, haloclines, upwelling, El Niño, and more. 75-page manual includes set-up instructions, student activity masters, and answer keys. 44" L x 3 3/4" W x 6" H.

\*Z19342 – \$464.95

**Density Flow Model Junior.** Like the larger model above, this smaller model is a teacher demonstration apparatus. Includes 64-page manual with instructions, activity masters, and answer keys. 22" L x 3 3/4" W x 6" H.

Z20652 – \$249.95

\*EXCLUDED FROM DISCOUNTS

**NEW**

5 hours of weather investigations



**Kemtec™ Weather & Seasons Kit**

**Gr. K-4** Includes activities for temperature data collection, construction of a data table, graphing weather data, measuring temperatures, making weather reports, predicting weather, presenting weather data in various formats, graphing seasonal changes in the positions of the Earth relative to the sun, comparing shadow lengths, and making sundials. Meets NGSS.

NE30589 – \$456.00



EXCLUDED FROM DISCOUNTS

**Wild Weather Poster Series**

Dramatic photos depict some of nature's most extreme conditions. Descriptive text provides facts, figures, and scientific background about each weather phenomenon. Set of 8.

SB48563 – \$130.00



**Instant Snow Powder**

Demonstrate the super absorbent properties of a polymer while making snow in your classroom that will feel cool to the touch. As the polymer absorbs water, it will expand to over 40 times its original volume. The end result is fluffy flakes of fake snow that won't melt and can be reused again.

NE30203 Bag (400 g) – \$38.50

NE30204 Bottle (3.5 oz.) – \$13.75



**Weather Forecasting Set**

**Gr. 5-8** Students work together in teams to interpret weather maps from 8 consecutive days. Each team interprets the map for a single day and constructs a weather report for that day. Teams assigned the same day combine to prepare and present their weather report to the class. Information from all 8 days is then used to forecast the weather for the unknown ninth day. Teaches global patterns of atmospheric movement.

SB46825 – \$58.95

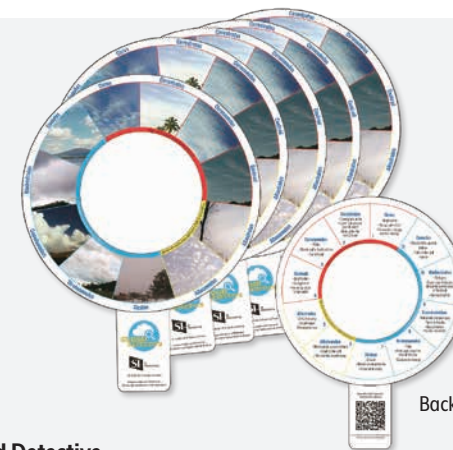


**NEW**

**Kemtec™ Severe Weather Kit**

**Gr. 3-5** Learn about the weather and climate in different locations and then design and build structures to withstand intense forces caused by severe weather, such as high winds, heavy rains, and flooding. Full list of supplies online.

NE30588 – \$420.00



**Cloud Detective**

**Gr. 5+** Identify the different clouds in the sky. Simply hold tool so cloud can be seen through observation hole, then try to match cloud to images on outside of tool. Opposite side contains additional information related to color, shape, and current weather to ensure correct identification. Pkg. of 5.

SB50551 – \$17.95



**Laminated Cloud Charts with Weather Forecast**

A quick, accurate way to forecast weather. Waterproof chart is used by the U.S. Coast Guard and the FAA. Contains full-color photos with captions. 15" x 18". Laminated.

SB40703 – \$15.95



**BEST SELLER**



### Modeling Stream Erosion and Deposition

**Gr. 6+** Using a mini stream table, students create, observe, describe, and interpret the erosional and depositional patterns created when "rainwater" flows over an area. Features commonly formed include canyons, braided streams, and deltas. For 24–30 students working in groups of 4 or 5. **CHOKING HAZARD (I).** Not for under 3 yrs. **SB44075 – \$224.50**

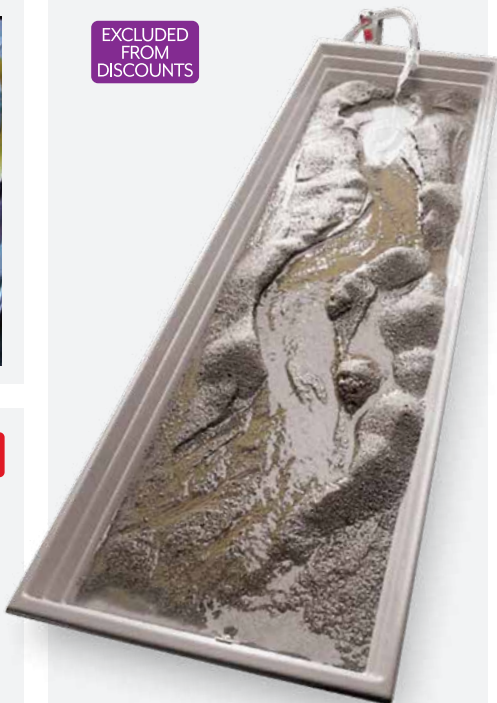


### Groundwater Table

**Gr. 5+** Transparent plastic tray can be used on an overhead projector or on a tabletop. Use the included pump to move colored dye throughout the model to demonstrate groundwater concepts such as aquifers, sinkholes, caverns, geysers, and hot springs. Includes self-contained groundwater table, water pump (120V AC), tubing, eyedropper, and teacher's guide. **CHOKING HAZARD (I).** Not for under 3 yrs. **SB46712 – \$179.95**



**EXCLUDED FROM DISCOUNTS**



### Stream Table Kit

Sturdy plastic tray is large enough for group study or individual investigations. A special trough can be used for relating the rate of erosion to slope and stream volume. **SB01704 – \$101.95**  
**Set of 4 Kits** **SB16231 – \$369.95**

Keep exploring at [nascoeducation.com](http://nascoeducation.com)

### Nasco Soil Erosion Simulator Kit

Introduce students to the science behind soil erosion through simulation. This kit uses hands-on scientific procedures to study soil erosion, how it occurs, and how to prevent it. Teach conservation methods that can be used, natural vs. unnatural erosion, and how soil erosion affects our lives. Kit includes two soil erosion simulator trays, water catch basin, oat seeds, watering cart, two angle ladders, and a guide with assessment questions, follow-up activities, and instructions. **SB45434 – \$109.95**  
**Potting Soil, 4 qt. KI01037(P) – \$3.95**



**ONLY AT NASCO**

**BEST SELLER**



### Landform Studies Program

Eight separate landform models form a 3' x 3', three-dimensional model of mountains, lakes, rivers, deserts, glaciers, coastlines, canyons, and cultural points of interest. Students explore coastal plains, canyon lands, fault block mountains, folded mountains, and volcanoes. A lesson plan provides a glossary keyed to features on the models, plus question-and-answer exercises and supplementary activities. **SA05779 – \$350.00**

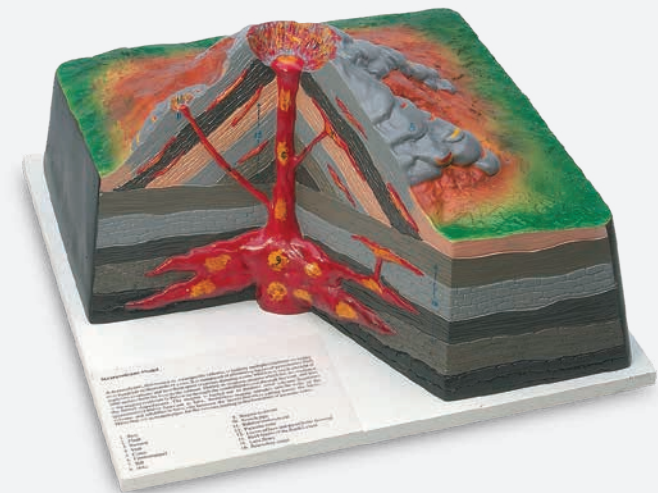
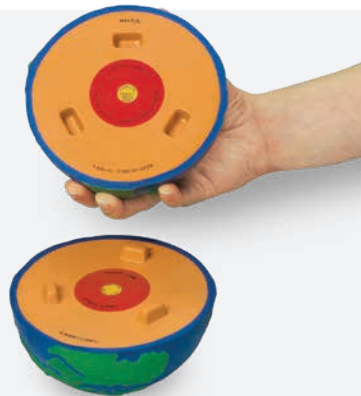
### Erupting Volcano Classroom Pack

**Gr. 3–8** This four-session project involves students in creating interactive volcanoes that actually erupt. Meets expectations of the NSES for Earth Sciences. For 12 individual or group projects. Teacher and student guides. **SB45529 – \$119.95**



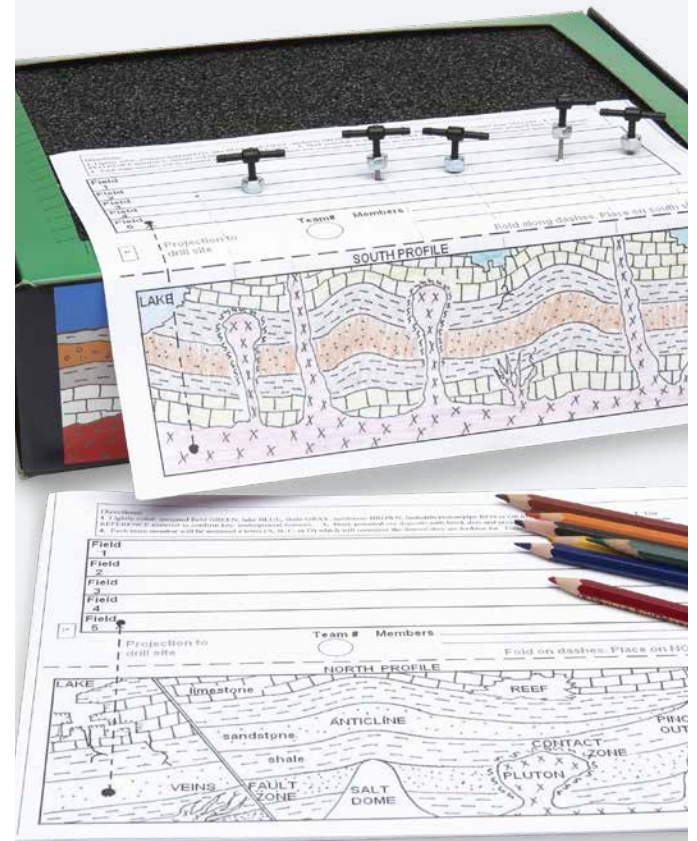
### Cross-Section EarthModel

Bring the deep layers of the earth to light. Outside surface of 5" foam model illustrates continents and oceans with raised features. Separate to discover the earth's core. Each brightly colored hemisphere shows layers, temperatures, and depths. Activity/fact guide. **SB40887 – \$19.95**



### Volcano Model

**Gr. 5–9** Detailed stratovolcano and composite volcano model. Illustrates the various crusts, lava tube, volcano formation, and step sided formation of cone shape. 16½"L x 16½"W x 8"H. **SB40678 – \$173.95**



### Rock Cycle Resource Kit You Be the Geologist!

**Gr. 6+** Provides opportunities for inquiry and developing an understanding of the "dynamic equilibrium" of geologic events. Comes in an interactive box with underground formations displayed on the side and colored clay blocks (representing deposits of gold, oil, etc.) positioned on the inside for students to discover using several scientific techniques. Includes 2 foam boards; hand-held drill rigs; and teacher guide with lab worksheets, reference materials, and activities. 13¾" x 10¼" x 3¾". **SB47449 – \$80.95**





**NewPath Learning®**  
**Elementary Science Workbooks with Digital Access**  
**Gr. 3-5** Use this set of 6 colorfully illustrated workbooks for in-class or at home learning. In-depth, interactive lessons are based on NGSS concepts. Each printed workbook contains 36+ pages of self-directed readings, illustrated explanations, guiding questions, a lab investigation, key vocabulary review, and assessments. The one-year corresponding digital access includes animated and narrated tutorials, interactive exercises and activities, virtual labs, online glossary, visual resource library, and an inquiry-based student activity guide. It will even work with classroom presentations on your whiteboard.  
 Set of 6 includes: What is Weather?; All About Energy; What are Ecosystems?; How Does Earth's Surface Change?; All About Matter; and Growth & Development of Plants & Animals.  
**NE30059 – \$75.00**



**Earth Processes Poster Series**  
**Gr. 6+** Photos and diagrams introduce students to the fascinating processes that shape Earth's surface. Set of 8; 18" x 24". Laminated.  
**SB40701 – \$130.00**

EXCLUDED FROM DISCOUNTS



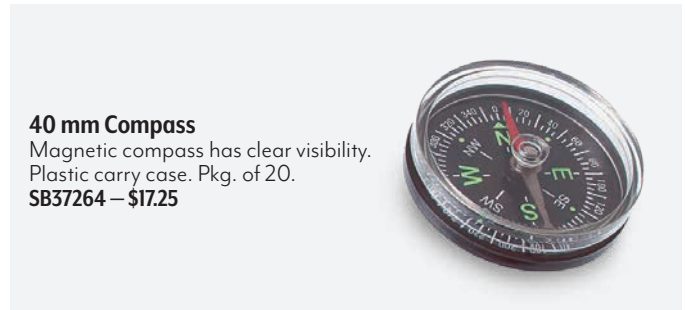
**Making and Interpreting Topographic Maps**  
**Gr. 6+** Hands-on investigation uses the model to construct contour lines and create a topographic map of an area. For 6 groups of 4-5 students. **CHOKING HAZARD (I)**. Not for under 3 yrs.  
**SB44071 – \$127.95**



**United Scientific Mapping Compass**  
**Gr. 5+** Explore the basics of navigation and orienteering in the lab with this compass. Features a sight finder as well as markings in both metric and English scales. Map scale is displayed in mm with a ratio of 1:25000. Detachable lanyard included.  
**NE30300 – \$12.25**



**Compass**  
 Compass with a strong plastic case and clear top. 2" dia.  
**SB19121 – \$3.95**



**40 mm Compass**  
 Magnetic compass has clear visibility. Plastic carry case. Pkg. of 20.  
**SB37264 – \$17.25**



**Large Compass**  
 Extra-large magnetic compass in a plastic case with clear top. 3½" (90 mm) dia.  
**SB33394 – \$6.95**



**Using Remote Sensing to Determine Topography Kit**  
**Gr. 6+** Collect data about concealed landforms, then use it to create visualization of the landforms. Use data to construct a line graph showing a profile across the landform. Teacher's guide and 28 student worksheets and guides. For 24 students. **CHOKING HAZARD (I)**. Not for under 3 yrs.  
**SB50449 – \$227.95**



**Field Orienteering Map Compass**  
 Liquid-filled chamber stabilizes needle quickly and cushions against impacts. Compass and scale have luminous points. 1¾" dia. compass mounted on clear plastic base (5½" x 2½"). Graduated 0° to 360° scale in 2° increments has a declination correction scale. Base has built-in magnifier, 4 stencils, and lanyard.  
**SB47544 – \$7.95**



**Suunto Compass Instruction Kit**  
 Compasses made of clear, scratch-resistant acrylic feature snap-lock lanyard. Ergonomically designed to fit into palm of hand. Instructional compass is larger for group use and has manually manipulated moving parts. 30 compasses (2¾" x 3½"), instructional compass (1¼" x 8"), and carry case.  
**PE05278 – \$509.95**





**Write-On/Wipe-Off Giant World Map**  
Giant, 8' 8"H x 13' W world map comes in 8 easy-to-hang panels. Provides information on world time zones, political boundaries, land elevation, distances and topography, ocean depths and shipping lanes, nautical miles, longitude and latitude, and major cities. Use dry-erase markers on write-on/wipe-off surface (includes red dry-erase marker). Trim to fit any walls. Easy to remove without damaging walls. Current as of 2015. **SB29793 – \$199.95**



**A**



**F**

SB49728

SB49729



**B**

Writable surface



**C**

**A. The Pioneer Globe**  
12" political globe with mounting that swings up and down for better viewing. Thousands of place names. Raised relief. 16½"H. **SB16464 – \$85.50**

**B. Land Cover Writable Globe**  
Raised-relief globe shows cropland, natural vegetation, landforms, and water features that make up Earth's landscape. Features detailed relief shading along with political boundaries and names. Writable. 12". **SB48527 – \$168.95**

**C. Adventurer Globe**  
12" political globe features raised-relief, blue ocean ball with distinctive colored boundaries; easy-to-find geographic locations; and a plastic base. 16"H. **SB39256 – \$54.95**

**D. The Atlantis Globe**  
12" world ocean globe in raised and indented relief on Gyro-Matic mounting with numbered full meridian. Land areas in true-to-life colors to illustrate mountains, deserts, forests, and grasslands. Oceans show undersea physical features. 16½"H. **SB16465 – \$105.00**

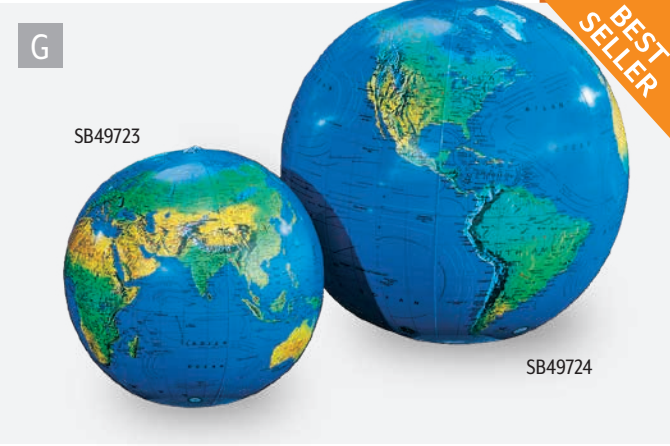
**E. Day/Night Globe**  
Shows the striking colors of a blue ocean political map when not lit. Turn light on and witness how the sky changes at night as it transitions into a night globe naming and depicting 88 constellations and more than 35 of the brightest stars. Corded. 16½"H x 12" dia. **SB50412 – \$99.95**



**D**



**E**



**G**

SB49723

**BEST SELLER**

SB49724



**H**



**I**

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**F. Laminated Poster Map Set**  
Large scale political poster maps in bright colors and easy-to-read type can be marked. Laminated. 49" x 33". Includes 1 of each map below. **SB52652 – \$53.95**

**U.S. Map.** Shows interstate highways, cities, capitals, rivers, places of interest, and more. **SB49728 – \$34.95**

**World Map.** Country locator lists every country in the world by latitude and longitude. **SB49729 – \$34.95**

**G. Topographical Inflatable Globes**  
Beautiful physical globe that shows the Earth with natural topographical covering. **SB49723 12" Globe – \$10.95**  
**SB49724 16" Globe – \$12.95**

**H. Apollo Globe**  
Bright, contrasting colors with thousands of place names. Easily remove from or place on base for close-up viewing. 9" dia. x 12"H. **SB49731 – \$39.95**

**I. Terrene Globe**  
Blue political globe lights up. 6" dia. x 8½"H. **SB50411 – \$35.95**



**BEST SELLER**



### Classroom Collection of Rocks and Minerals

Basic study in mineralogy and general geology in rock-forming minerals; igneous, sedimentary, and metamorphic rocks; ores of common metals; gemstones; and minerals in the scale of hardness. 50 numbered 1" specimens, compartmented container, and study guide.  
**SB46077 — \$64.95**



### Rock Collection

Includes 5 each of igneous, metamorphic, and sedimentary rocks, including obsidian, granite, basalt, scoria, rhyolite, sandstone, limestone, shale, travertine, conglomerate, slate, marble, quartzite, gneiss, and amphibolite. 15 numbered 1½" specimens in a compartmented container.

**SB10942 — \$28.95**

### Rock Study Kit

Includes 5 each of igneous, sedimentary, and metamorphic rocks; guide; and magnifying glass.

**SB39180 — \$23.50**



### Rock Collection Set #1

Set of 9 (basalt, obsidian, pumice, shale, sandstone, limestone, marble, gneiss, slate) in a 4" x 7" cardboard box with a partitioned plastic tray. Each one is 1" to 1½".

**SB41176 — \$13.95**



### Rock Collection

Sedimentary, metamorphic, and igneous rocks in a solid storage box.

⚠️ CHOKING HAZARD (1). Not for under 3 yrs.

**SB47390 — \$20.95**



### Rocks, Minerals, and Fossils of the U.S.A. Collection

Representatives of rocks, minerals, and fossils of the U.S. that are either mined for economic value or are commonly found in the state listed. Some minerals and fossils have been deemed a "State Gem" or "State Fossil," which is noted, as well as other facts. 50 numbered specimens (approximately 1" x 1") in a compartmented container.

**SB46093 — \$54.95**



SB10943

### Igneous Rock Collections

Representative specimens of intrusive and extrusive igneous rocks. Materials provide a basis for understanding geologic processes at work in the earth.

**Demonstration.** 15 numbered 1½" specimens in a compartmented tray.

**SB10943 — \$23.50**

**Classroom.** Smaller samples of specimens above. 100 pieces total.

**SB50622 — \$10.95**



### Mineral Study & Test Kit

**Gr. 5+** Learn to identify 15 common minerals by observing and testing physical properties. Includes activity guide, magnifying glass, streak plate, and nail.

**SB37929 — \$22.95**



### Hardness Scale with Test Kit

Includes 9 minerals used in Mohs' scale, streak plate, glass plate, nail, and identification key in a polystyrene tray with lid.

**SA02792 — \$16.95**



SB10945

### Sedimentary Rock Collections

Contains representative sedimentary end products.

**Demonstration.** 15 numbered 1½" specimens in a compartmented container.

**SB10945 — \$23.50**

**Classroom.** Smaller samples of specimens above. 100 pieces total.

**SB50623 — \$12.95**



SB10944

### Metamorphic Rock Collections

In geologic processes usually associated with pressure and heat, rocks may reform to become new metamorphic rocks.

**Demonstration.** 15 numbered 1½" specimens in a compartmented container.

**SB10944 — \$23.50**

**Classroom.** Smaller samples of specimens above. 100 pieces total.

**SB50624 — \$10.50**

*Test minerals you have in your lab*



### Mineral Test Kit

A great kit in case you have minerals available already. Includes a streak plate, glass plate, hand lens, dropper bottle, magnet, nail, penny, hardness scale, and zip closure bag.

**SB48163 — \$12.95**

**BEST SELLER**



### Mineral Test Kit with Minerals

**Gr. 4+** All the tools necessary for rock, mineral, and fossil identification. Minerals include muscovite, hematite, quartz, magnetite, calcite, talc, gypsum, microcline, and pyrite.

**SB48458 — \$16.95**





### Classifying Sedimentary, Igneous, and Metamorphic Rocks

**Gr. 6+** A reading on the formation of igneous, sedimentary, and metamorphic rocks supplements student observations as they examine, describe, and group rock samples. Samples are 1" x 2" x 1" or larger and show characteristics of each rock type. Student worksheets. Materials for 32 students. **CHOKING HAZARD (I)**. Not for under 3 yrs. **SB40664 – \$169.00**

For UV lights, visit [nascoeducation.com](http://nascoeducation.com)



### Fluorescent Minerals Collection – Longwave and Shortwave

Illustrates the response of certain minerals to UV radiation. 15 numbered specimens (1½") that correspond to key. **SB09563 – \$49.50**



### Professional Rock Tumbler

12-lb. capacity tumbler with rubber hexagon barrel for quiet operation. Overload protected, fan-cooled motor. 115V, .67 amps, 1/75-hp motor. **9703319 – \$284.95**

**Grit Pack.** 1-lb. coarse, 1-lb. fine, ½-lb. pre-polish, and ½-lb. polishing grit. **9703424 – \$35.95**

See p. 62 for additional safety goggles



### Soft Vinyl Impact Goggles

Goggles mold to all faces comfortably. May be worn over prescription glasses. Frame perforated for full ventilation. Large polycarbonate lens offers wide vision. Meets ANSI Z87.1 standards. **SB25323 – \$2.45**

### Mineral ID Kit with Sort Cards

**Gr. 4-12** Get students started on their earth sciences journey with this mineral identification kit. Kit includes: 20 mineral specimens, sort cards, magnet, magnifier, streak plate, nail, ID list, and segmented storage tray. **NE30087 – \$99.95**



### Fossil Collection

Vertebrate and invertebrate fossils from the Paleozoic, Mesozoic, and Cenozoic eras are included. 15 numbered specimens. **SB10961 – \$28.95**



### Rock Specimen Storage Box

Create your own collection with this 17-bin, clear storage container (rocks not included). **9721278 – \$7.00**



### Glass Plates

Thick, ¼" glass plates for hardness testing of rocks and minerals. Pkg. of 10. 1" x 2". **SB14188 – \$17.95**

**BEST SELLER**



### Fossil Starter Bag

**Gr. 5+** Includes 15 individually bagged and labeled fossil specimens commonly used in classrooms to illustrate major life forms through history. Teacher's insert describes each fossil. Also includes full-color geologic time student chart. **CHOKING HAZARD (I)**. Not for under 3 yrs. **SB48142 – \$14.95**



### Fossil Hunt Kit

**Gr. 6+** Students learn to identify different fossils after digging them out of a gravel mixture. 1-lb. bag of gravel mixture with 12 real fossils (two each of six types) and corresponding large identified specimens, magnifier, forceps, and teacher's guide in storage box. **SB33401 – \$28.00**



### Streak Plates

Unglazed porcelain tiles for streak testing of rocks and minerals. Pkg. of 10. 2" x 2". **SB14187 – \$9.95**

**BEST SELLER**



### Rock Cycle Activity

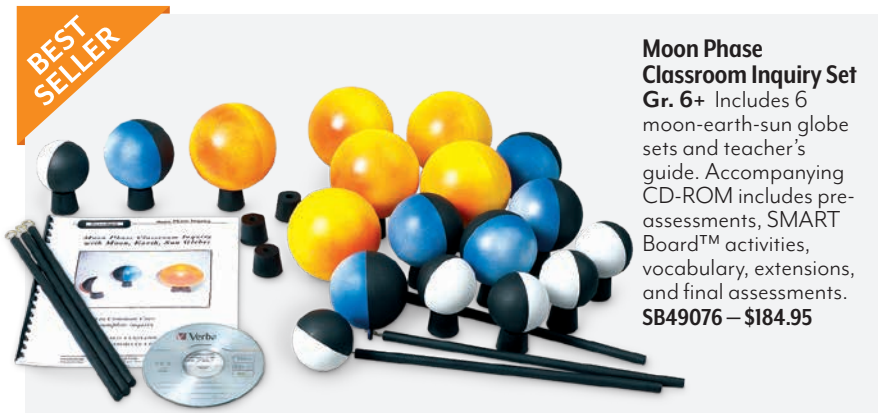
**Gr. 6+** Playing in groups of 4, students record what happens to their set of igneous, sedimentary, and metamorphic rocks. Detailed student sheet guides students on how to use results to describe the rock cycle. Includes 8 sets of the game so the entire class can play simultaneously. **CHOKING HAZARD (I)**. Not for under 3 yrs. **SB40668 – \$152.00**

The fun doesn't stop here!  
Find more at  
[nascoeducation.com](http://nascoeducation.com)



SPACE SCIENCE

Help your students reach for the stars by exploring space science. All they need are the tools and resources to expand their understanding of astronomy concepts and open their world to new possibilities.



**BEST SELLER**

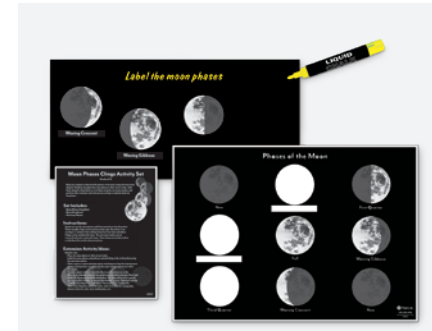
**Moon Phase Classroom Inquiry Set**  
**Gr. 6+** Includes 6 moon-earth-sun globe sets and teacher's guide. Accompanying CD-ROM includes pre-assessments, SMART Board™ activities, vocabulary, extensions, and final assessments.  
**SB49076 – \$184.95**



**Nasco Moon Phases Posters**  
 8 phases of the moon. Laminated card stock.  
**28" x 8" SB37751 – \$14.95**      **96" x 18" SB49897 – \$39.95**



**Official NASA Moon Globe**  
**Gr. K-12** Extraordinary 12" dia. globe depicts the geographical features of Earth's moon, including craters, "seas," and mountain ranges. NASA approved. 15".  
**SB36728 – \$97.95**



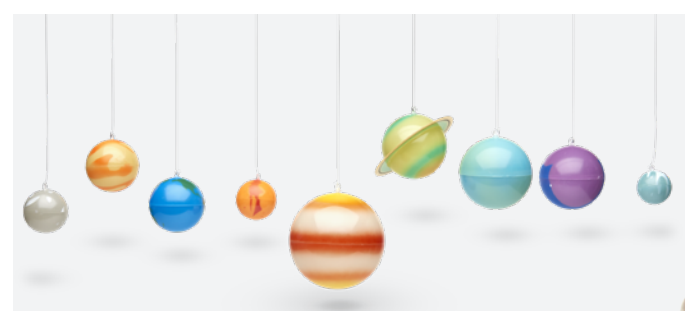
**Moon Phases Cling Activity Set**  
**Gr. 2-5** Help students understand the phases of the moon using this interactive cling set. Includes 25" x 18" moon phases cling sheet, 12" x 27" black cling board, wet-erase marker, and instruction sheet.  
**SB44373 – \$29.95**



**Moon Phase Demonstrator**  
**Gr. 7+** Show how the moon's appearance changes over a one-month period. Select a phase of the moon by turning the front disc. Earth's rotation is simulated by rotating the discs together from sunrise to sunset, illustrating the relative paths of the sun and moon. Rear disc is screened with a visualization of the perceived shape of the moon throughout the lunar cycle.  
**SB48259 – \$45.95**



**Moon Phaser**  
**Gr. 3+** Provides practical information on teaching lunar motion and the phases of the moon. Full description found at nascoeducation.com.  
**SB34839 – \$126.95**



**3-D Solar System™**  
**Gr. 5+** Turn the lights off for an amazing display of the solar system with glow-in-the-dark components. Includes 8 planets, Pluto, over 200 adhesive stars, string, putty, and a guide. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**SB49325 – \$21.95**



**Inflatable Solar System**  
**Gr. K-12** Realistic-looking set teaches size and distance relationships of planets, the moon, and the sun; as well as rotation, revolution, and orbit. 23" sun and proportionate planets and moon with sizes ranging from 5"-23". Includes a foot pump, teacher's activity guide, and hooks for easy hanging. Deflate for easy storage. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**SB37813 – \$49.95**



**The Planets Learning Posters Set**  
**Gr. K+** Bring space discovery to life in the classroom with this set of engaging and educational posters. Reinforce science lessons with images of the eight planets of the solar system along with interesting facts. Set of 8; 10¾" x 16⅞" each.  
**NE30238 – \$15.95**

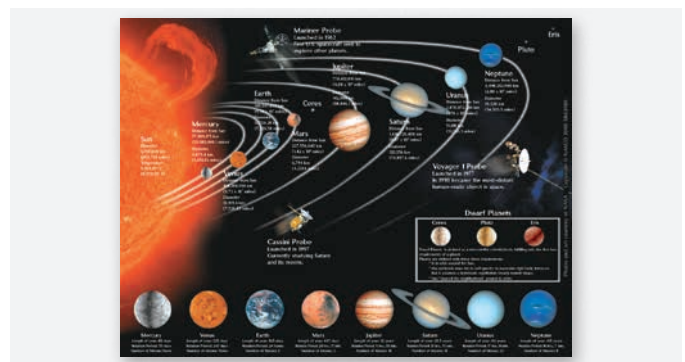


**Orbiting Solar System Kit**  
**Gr. 1+** Build a mechanical model of our solar system, wind it up, and watch the planets revolve around the sun. Learn about the planets' relative sizes, orbits, and appearances, as well as fundamental gear mechanics. Includes 28 pieces and 8-page illustrated guide.  
**NE30119 – \$29.95**



**ONLY AT NASCO**

**Nasco Space Bingo**  
**Gr. 5+** Game takes you to the outer reaches of the solar system as students learn basic astronomy terms. 30 playing cards (5" x 6"), 100 vocabulary cards, master word list, directions, and plastic markers.  
**SB48565 – \$21.95**



**Planet Poster**  
 Shows the correlated distance between the sun and planets, as well as the size of each and explains each planet's year length, rotation period, and number of moons. Dwarf planets, including Pluto, are also featured. 18" x 24". Laminated.  
**SB42980 – \$20.95**

See page 3 for complete Choking Hazard Label Information.





**Trippensee® Hand-Driven Illuminated Planetarium Model**  
Shows synchronized motions of Venus, Earth, moon, sun, and other planetary phenomena, including all the important Earth/moon/sun relationships. Light is used to illustrate lunar, solar, and annular eclipses; phases of the moon; and areas of day, night, and twilight.  
**SBI5349 — \$515.00**

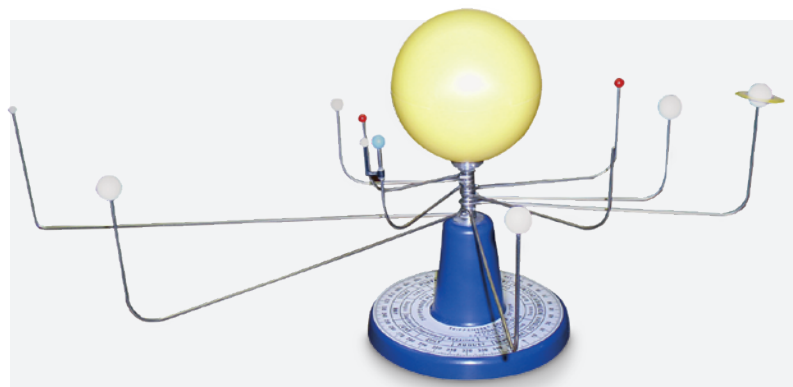


**Celestial Star Globe**  
**Gr. 6–12** This model shows the apparent positions of the stars visible from earth. The 3D representation allows the relative angular positions of the constellations to be visualized and permits students to estimate which stars will be visible from different places on earth for any rotational position of the planet. The globe consists of two concentric spheres mounted on a common axle.  
**NE30127 — \$104.95**



**The Sunspotter™**  
Safely track sunspots as they appear, move, and vanish. By using a series of mirrors, a bright 3" solar image is projected onto a white viewing screen by a powerful 62 mm dia. objective lens. Eliminates the need for telescopes, solar filters, and tripods. Wooden, folded-Keplerian telescope provides a much safer and convenient way to view the brilliant light of the sun compared to more common methods.  
**SB46150 — \$525.00**

**SKY IN MOTION**  
Demonstrate the movements of Earth and moon



**Trippensee® Solar System Model**  
Copernican heliocentric solar system illustrates the motions of the planets, their relative sizes, and their relative distances from one another. All stainless-steel wire arms. Includes 10 orbits (8 planets, moon, and asteroid belt), instruction book with diagrams, and activities.  
**SBI5350 — \$129.95**

*Light up the night sky for a closer look at the stars*



**The Constellation Globe**  
Turn the light off and brilliant lithography on the two-way illuminated globe delineates the firmament's stars, constellations, and nebulae; turn the light on and witness the luminous beauty of over 70 celestial images. 12" dia. x 16".  
**SB28577 — \$94.95**



Pack of 10

**United Scientific Solar Eclipse Glasses - 10 Pack**  
Specially designed lenses conform to and meet the Transmission Requirements of ISO 12312-2, Filters for Direct Observation of the Sun, as well as the Transmission Requirements of EN1836:2005+A1:2007(E) for an E15 Filter for the Director Observation of the Sun and the Transmission Requirement AS/ NZS 1338.1:2012, Filter for Eye Protectors. Frame includes safety information and instructions for use. Pack of 10.  
**NE30496 — \$11.95**



**BEST SELLER**

**Trippensee® Lighted Basic Planetarium Model**  
Lighted planetarium featuring chain and sprocket drive, sturdy plastic arm with compass for locating North Star, Earth globe with map, and moon globe movable to any position. Base dial marked with seasons, months of the year, and signs of the zodiac. Light illustrates solar and lunar eclipses and the phases of the moon. Instruction book with diagrams. Sun (6" dia.) and Earth (3" dia.) on a 13" arm. 12" x 22".  
**SBI5348 — \$210.00**  
**S00562 Unlighted Model — \$185.00**

**BEST SELLER**

*Explore seasons, eclipse phases, and moon phases*

**Earth Sun Planetarium**  
**Gr. 6–12** Demonstrate the rotational motion of earth on its axis, its orbit around the sun and the revolution of the moon with this high quality model. As the sun casts a beam of light onto earth (via an embedded LED), users can easily manipulate the positions of each body to examine how their dynamics correspond to seasons, eclipses and lunar phases. 18" x 12".  
**NE30105 — \$72.50**







**Thames & Kosmos® Planetarium Projector**

Projects astronomically accurate maps of stars for the northern and southern hemispheres, planets, space objects, and extragalactic phenomena. Includes 2 projection domes, educational poster, instructions, 32 images with storage, and USB cable. Timed shutoff and long-lasting LED lights.

NE30398 — \$34.95



Introduce young explorers to new views

**Make-Your-Own Telescope Kit**

Great choice for art, science, or STEM/STEAM units. Kit includes enough materials for 12 cardboard telescopes. Includes easy-to-follow instructions and stickers for decorating. Incorporate discussions about light, mirrors, or the solar system.

NE20043 — \$55.95



**Roylco® Constellation Cards**

Gr. PreK+ Teach students how to recognize star patterns in the night sky. Made from durable, tear-resistant material and die-cut with astronomically correct constellations. Includes 54 cards and a full-color poster guide.

NE30376 — \$28.99



**Thames & Kosmos® Telescope**

Explore the Earth, Moon, and planets with a refractor telescope that offers 100x magnification. High-quality glass optical lenses, dew shield, finderscope, compass, tripod, mirror, dust covers, and instruction manual.

NE30403 — \$49.95

**Celestron® Upclose Porro Binoculars**

High-quality and water-resistant. Multi-coated optics increase light transmission, resulting in brighter and sharper images with high contrast levels. Rubber-covered aluminum body protects from rough handling. Ergonomic thumb indents and finger ridges for extra nonslip comfort and ease of use. Includes binocular straps and soft carrying case. Limited lifetime warranty.

**7 x 35 Binoculars.** 7X magnification. SB52513 — \$43.95

**10 x 50 Binoculars.** 10X magnification. SB52514 — \$47.95



EXCLUDED FROM DISCOUNTS

**A. Celestron® Powerseeker 50AZ Telescope**

Ideal for terrestrial and astronomical use. Slow motion controls for smooth tracking. Highest useful magnification: 118X. Includes 24" refractor optical tube with fully coated glass optics, 2" (50 mm) aperture, 3 eyepieces (30X, 50X, and 150X), 3X Barlow lens, accessory tray, aluminum tripod, and a bonus astronomy software download with a 10,000-object database, printable sky maps, and 75 enhanced images. Quick and easy setup requires no tools. Two-year warranty.

SB52509 — \$63.95

**B. Celestron® Firstscope Telescope**

High-quality, Dobsonian-style stand with a 3" (76 mm) aperture reflector optical tube make this scope an ideal entry level astronomical telescope. Portable and lightweight tabletop design makes it easy to store, transport, and setup. Easy to use — simply navigate night sky by moving tube in direction of desired object. Comes with two eyepieces (15X and 75X). Highest useful magnification: 180X. Two-year warranty.

SB52508 — \$85.95

**C. Celestron® StarSense Explorer LT 80 Refractor Telescope**

Gr. 9+ StarSense Explorer is the first telescope to use a smartphone to analyze the night sky and calculate its position in real time. Highest useful magnification: 189X. Includes 80 mm refractor optical tube with fully coated glass optics, StarSense smartphone dock, 10 mm and 25 mm eyepieces, 2X Barlow lens, 90° erect image diagonal, StarPointer red dot finderscope, altazimuth mount, and full-height, adjustable tripod.

NE30437 — \$229.95

**D. Celestron® StarSense Explorer DX 130 Reflector Telescope**

Gr. 9+ StarSense Explorer is the first telescope to use a smartphone to analyze the night sky and calculate its position in real time. Highest useful magnification: 307X. Includes 130 mm reflector optical tube with fully coated glass optics, StarSense smartphone dock, 10 mm and 25 mm eyepieces, StarPointer red dot finderscope, altazimuth mount, and full-height, adjustable tripod.

NE30438 — \$479.95

**E. Celestron® PowerSeeker 60AZ Refractor Telescope**

Gr. 9+ The PowerSeeker 60AZ is perfect for celestial and terrestrial viewing on the go! Highest useful magnification: 142X. Includes 60 mm refractor optical tube with fully coated glass optics, 20 mm and 4 mm eyepieces, 3X Barlow lens, 1.25" erect image diagonal, finderscope, altazimuth mount, adjustable tripod, and Celestron Starry Night software.

NE30439 — \$94.95

**F. Celestron® PowerSeeker 70EQ Refractor Telescope**

Gr. 9+ Start observing the night sky in minutes with the PowerSeeker 70EQ! Highest useful magnification: 165X. Includes 70 mm refractor optical tube with fully coated glass optics, 20 mm and 4 mm eyepieces, finderscope, manual equatorial mount, adjustable tripod, and Celestron Starry Night software.

NE30440 — \$169.95

**G. Celestron® EclipSmart Solar Filters**

Turn your Celestron telescope into a solar scope for viewing the sun and eclipses. A solar filter offers the ultimate protection from harmful solar radiation, including IR and UV light, plus 99.999% of visible light.

NE30441 For StarSense Explorer LT 80 — \$31.95

NE30442 For PowerSeeker 60AZ — \$28.95

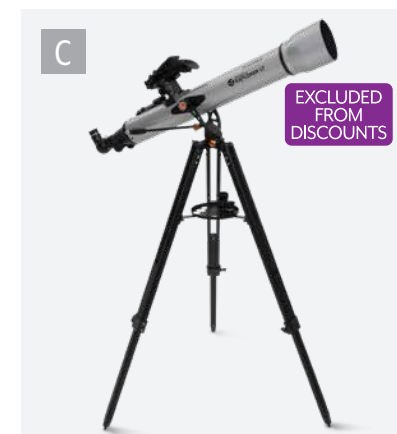
NE30443 For PowerSeeker 70EQ — \$31.95



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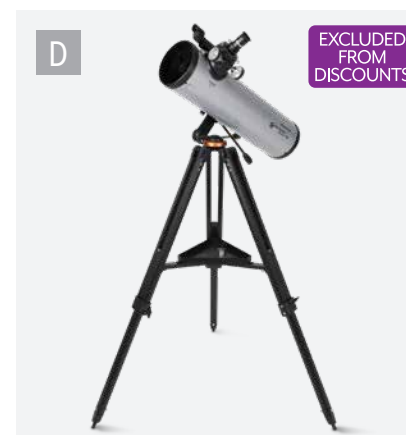


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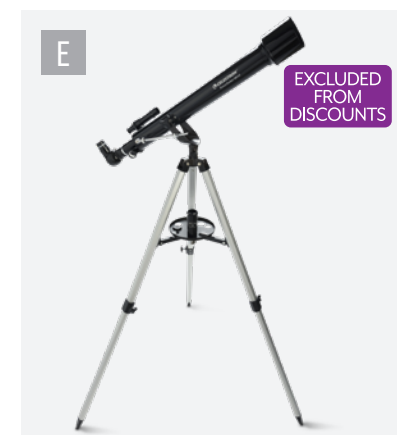
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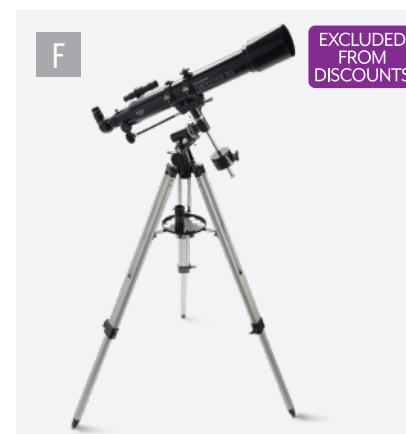
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EXCLUDED FROM DISCOUNTS



E

EXCLUDED FROM DISCOUNTS



F

EXCLUDED FROM DISCOUNTS



G





PHYSICAL SCIENCE

Physical science encourages your students to ask questions about the basic principles that govern the world around us.

They will find the answers to those questions by exploring gravity, motion, energy, speed, friction, balance, optics, solar and wind power, and more.

- Roketry 104-107
- Forces & Motion 107-114
- Alternative Energy 115-119
- Sound 120-121
- Light & Color 122-125
- Density & Heat 126
- Electricity 127-134
- Electromagnetism 135
- Magnetism 136-139

Model Rocket Engine Bulk Packs

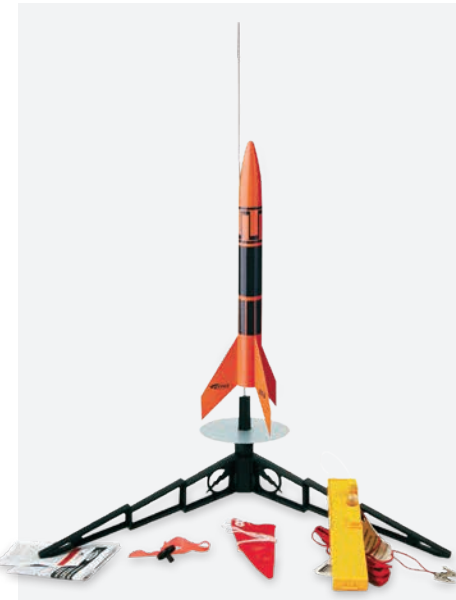
Everything needed to prepare rockets for flight: 24 rocket engines, 30 model rocket igniters, 24 reusable igniter plugs, and 75 squares (11.4 cm/4½") of recovery wadding. Cannot be shipped by air.

Quality-tested, green label, single-stage engines for high-performance flights. They deliver a smoke trail for easy tracking, and supply ejection power for the recovery system for your rocket's safe return. Total impulse is tailored to fit the various NARFAI classes. Designed for specific launch and flight functions; rocket engines are not reusable.

Code designation stamped on the engine gives useful and important information on its performance capabilities.

- Indicates total impulse or total power produced by the engine
- Shows the engine's average thrust in Newtons and helps you choose the right engine for your rocket's flight
- Gives delay in seconds between burnout and ejection charge

Product No.	Engine No.	Total Impulse		Time Delay (±15%)	Max. Lift Wt.	Max. Thrust Lb./N	Price Per Pkg.
		Lb.-sec.	N-sec.				
◆ SB22587	A8-3	0.56	2.50	3 sec.	85 g	2.4/10.7	\$79.99
◆ SB22589	B6-4	1.12	5.00	4 sec.	113 g	2.2/12.1	\$90.95
◆ SB37350	C6-5	2.25	10.00	5 sec.	113 g	3.4/15.3	\$100.00



Estes® Alpha III® Launch Set

Gr. 5+ Rockets to 1,100' in the air from launch pad with launch controller. Pre-colored nose cone, fin unit, and body tube. No painting required. Recommended engine: A8-3 (SB22587, above).  
SB47866 – \$49.99



Electron Beam® Launch Controller

Safety key, arming light, and launch button for total launch control. Plastic. 15' of launch wire with pre-soldered micro-clips. 6¾" x 1½" x 1¼".  
SB14937 – \$29.99  
Size "AA" Batteries. Pkg. of 4.  
SB10916 – \$1.75

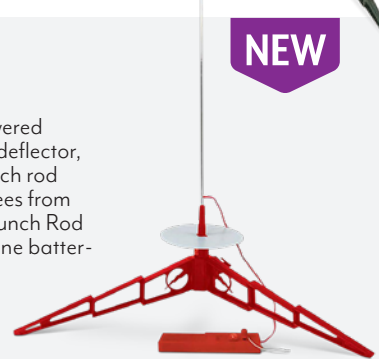


Porta-Pad® II Launch Pad

May be used with any Estes® launch controller to launch any Estes® rocket. Easy to set up; quick to take down. Adjustment for air direction cannot be tilted more than 30° from vertical. Steel blast deflector plate and 36" x ½" dia., two-piece launch rod. Black launch rod safety cap.  
SB17850 – \$24.99

Porta-Pad® II Launch Pad and Electron Beam® Launch Controller

Launches all mini-, standard- (A-C), and D-powered rockets. Launch Pad comes complete with blast deflector, standoff stem, 2-piece 1/8" launch rod, and launch rod cap. Launch direction may be adjusted 30 degrees from vertical and can accommodate a 3/16 in. Maxi Launch Rod (sold separately). Requires 4 new 1.5V AA alkaline batteries (sold separately).  
NE30609 – \$39.99



Reach new heights with rocketry bulk packs

Selecting the right kit for your class is now simpler and more economical. Each bulk pack contains enough parts to build 12 flying rockets. Bulk packs feature:

- Great savings – save money since the cost per kit is dramatically reduced
- Kits that are best suited to your needs
- Convenience – control in distributing individual parts to your students during construction

Product No.	Description	Skill Level	1st Flight Engine	Other Engines	Maximum Altitude	Dimensions H x Dia.	Each
A. SB22593	<b>Alpha III®</b> Bulk Pack: Great choice for beginners. Easy No painting required.	E2X – Very Easy	A8-3	B6-4 C6-5	1,100'	12¾" x 1½"	\$145.00
B. SB23833	<b>Generic E2X®</b> Bulk Pack: Plain white so that each student can decorate their own rocket.	1 – Easy	A8-3	B4-4 C6-5	1,110'	15" x 1½"	\$130.00
C. SB22598	<b>Alpha®</b> Bulk Pack	1 – Easy	A8-3	B6-4 C6-5	1,000'	12¾" x 1½"	\$145.00
D. SB41141	<b>Big Bertha®</b> Bulk Pack	1 – Easy	B6-2	B4-4 B6-4 C6-5	500'	24" x 1½"	\$300.00
E. SB39368	<b>Baby Bertha™</b> Bulk Pack: Miniature version of Big Bertha®.	1 – Easy	A8-3	B6-4 C6-5	575'	12¾" x 1½"	\$165.00
F. SB38634	<b>Hi-Flier®</b> Bulk Pack	1 – Easy	A8-3	B4-4 B6-4 C6-5 C6-7	1,690'	12" x ¾"	\$130.00
G. SB22596	<b>Wizard®</b> Bulk Pack: Laser cut balsa. One of the highest performing rockets, featuring a bright orange streamer recovery system.	1 – Easy	A8-3	B4-4 B6-4 C6-5 C6-7	1,600'	12" x ¾"	\$90.95
H. SB22597	<b>Viking™</b> Bulk Pack: Painting of item is required. Great first or second model. Can be built with 3, 4, or 5 die-cut fiber fins.	1 – Easy	A8-3	B4-4 B6-4 C6-5 C6-7	1,470'	12½" x ¾"	\$95.00

All starter sets require "AA" alkaline batteries (SB10916, see p. 212). Engines and flight supplies are not included. They are available on p. 210.

◆ DOT hazardous material    ⚡ Subject to DOT hazardous material surcharge.



ONLY AT NASCO



**Nasco Rocketry Classroom Kit**

**Gr. 5+** Students design and construct their own model rocket while exploring the following topics: design processes, rocket parts, phases of rocket flight, recovery systems, rocket propulsion, rocket engine operation, engine selections, and rocket stability testing. For 25 students. Launch pad not included. **⚠ CHOKING HAZARD (2).** Not for under 8 yrs.

◆ **SB21470 — \$565.00**  
 ◆ **Refill for 25 Students**  
 ◆ **SB21545 — \$329.95**

Includes digital guides



**Tech-Pak™ Rocket Kit — Skill Level 2**

**Gr. 5+** Build rockets from scratch with the kit contents and a piece of notebook paper. Students roll their own body tube and complete the rocket with Estes® components. Pkg. of 12. Recommended engines: A8-3, B6-4, and C6-5 (not included, see p. 104). **SB26227 — \$165.95**



**AltiTrak® — Altitude Finder**

Track your rocket to the top of its flight, then instantly lock in its altitude. Displays exact altitude on metric scale. Precision-made of plastic. Easy to assemble. Includes conversion table for calculating altitude. **SB01216 — \$23.99**

**NEW** Estes® Mini AltiTrak™ Altitude Trackers. Small, easy-to-transport altitude tracking devices. Pack of 3. **NE30605 — \$11.99**



NEW

**Estes® Rocket Stability Kit**

With the included lesson plan, students attempt to build a stable rocket and test it with the rocket holder. Provides enough supplies for groups to build 2–3 rockets with 108 rocket configurations to explore and improve upon. **NE30608 — \$29.99**

NEW



**Estes® Rocket Science Flying Model Rocket Starter Kit**

Includes everything needed for launch, including multiple engines and launch and recovery system. Reaches up to 1,100'. Experiment with different engines and observe reactions. Measure and track rocket's progress with the included Mini AltiTrak altitude tracker.

**Specifications:**  
 • Length: 12.6 in. (32 cm)  
 • Diameter: 0.98 in. (25 mm)  
 • Weight: 1.2 oz. (34 g)  
 • Fin material: molded plastic  
 ◆ **NE30603 — \$49.99**

NEW



**Estes® Tri-Flyer Flying Model Rocket STEM Kit**

With three fin shapes included, this kit offers an introduction to the world of aerospace engineering. User-friendly assembly process and a reliable launch system. Included booklet features 5 STEM activities. Includes everything you need for 2 launches with additional consumables sold separately.

◆ **NE30606 — \$69.99**

NEW

**Estes® Astrocam® Flying Model Rocket Kit**

Equipped with a high-definition digital video camera that can capture audio and video from 900 feet in the air. For specifications, visit nascoeducation.com. **NE30602 — \$54.99**



Insert camera into nose cone



BEST SELLER

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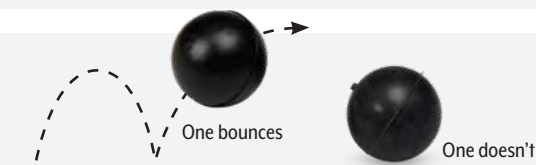
**Nasco Clinometers and Water Rockets Unit: An Integrated STEM Unit**

Students experiment and record data using water rockets and clinometers. Each unit includes enough materials for a class of 30 students working in groups of 3, data sheets, and teacher's guide. **The unit requires 10–30 calculators, which are not provided.** Calculators and extra water rocket launchers may be purchased separately. **TB16224 — \$350.00**

**TI-30Xa Scientific Calculator**  
**TB22048 — \$14.95**

**Whitewings® Paper Glider Competition Kit**

**Gr. 4–8** Includes 30 precut gliders (all of the same design), 30 balsa fuselages, 30 sets of 4-page assembly/student instructions, dihedral and camber gauge (precut), and group leader flyer. **SB31179 — \$64.95**



**Happy/Sad Ball Kit**

Two rubber balls that look, feel, and squeeze the same — but try bouncing them. These intriguing inelastic and elastic collision balls are popularly called “happy and sad.” One ball rebounds normally while the other is as bounceless as a piece of clay. Instructions included. **⚠ CHOKING HAZARD (3).** Not for under 3 yrs. **SB33947 — \$9.95**

ONLY AT NASCO



**Nasco Buoyancy Experiment Kit**

**Gr. 5–8** Explore the factors that cause objects to float or sink. Experiment to investigate how shape and weight affect buoyancy. For 24–30 students. **⚠ CHOKING HAZARD (1).** Not for under 3 yrs. **SB30181 — \$104.95**

NEW

ONLY AT NASCO

**Nasco Film Canister Rocket Classroom Kit**

**Gr. K–8** In this lesson, students will conduct investigations and build a film canister rocket with water and Alka-Seltzer®. Kit includes lesson plan, reproducible worksheet, 48 Alka-Seltzer tablets, and 30 canisters. Safety glasses recommended. **NE30334 — \$49.95**



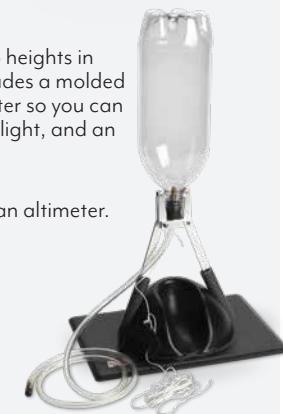
**Bottle Rocket Launcher Kit**

Build soda bottle rockets that can soar to heights in excess of 150'. All you need is water. Includes a molded resin launch pad, 2-liter bottle, an altimeter so you can assemble to measure the height of each flight, and an instruction sheet. **SB52970 — \$75.00**

**Launcher.** Includes instruction sheet and an altimeter. Bottle rocket launch pad sold separately. **SB21429 — \$40.50**

**Launch Pad.** Supports launcher stakes on non-soil surfaces. Molded resin. **SB51811 — \$38.50**

**2-Liter Bottle**  
**SB53274 — \$1.75**



**Soda Bottle Rocket Launching Platform**

Launch water-powered rockets over 100' in the air. Using water as the liquid fuel, pressurize the bottle with a bicycle pump (Schrader-type connection, bottle not included), then launch remotely via corded release mechanism. Includes bottle rocket launcher attached to sturdy base, stakes, trigger release, vertical launching guide posts, and instructions. **SB52954 — \$77.95**



ONLY AT NASCO



**Nasco Hot Air Balloon Kit**

**Gr. 6+** Students build a hot air balloon from a blueprint to learn about how it lifts, stays afloat, and descends. Later, students will plan, build, and test a new design to complete a challenge. For 30 students. **⚠ CHOKING HAZARD (1).** Not for under 3 yrs. **SB51903 — \$335.00**





ONLY AT NASCO

**Nasco Constant Velocity Car**

Holds a uniform speed for conducting kinematic experiments. Car can be set to travel at two different speeds. 6¾" x 3¾" x 2¾". Includes a teacher's guide, batteries, and jumper materials. **CHOKING HAZARD (1)**. Not for under 3 yrs. **SB48981 – \$18.75**



**Mini Dynamics**

**Gr. 5+** Two scaled-down plastic cars have attached bumpers, deep wells for weights, and low friction wheels that snap into place. **SB26251 – \$19.60**



**Metal Inclined Plane with Pulley and Roller**

**Gr. 6+** Steel inclined plane (23" x 4") includes graduated protractor and adjustable pulley. 14-oz. roller can be used as a vehicle on a plane or as a counterweight. Also includes pan and cord for masses. **SB43393 – \$105.00**



**A. 3-Wheeled Dynamics Carts**

One-piece, injection-molded, high-impact, loaded plastic carts. Aluminum piston and piston housing with push-button type starter for explosion of cart. Set of 2. **SB47690 – \$69.95**

**B. Deluxe Hall's Car**

Aluminum wheels; axle mounts in cone bearings for low-friction operation; wide, injection-molded plastic body with low profile for bulk loads; open wheels; and deep well for weights. **SB47661 – \$15.80**

**C. Hall's Car**

Oil-free sleeve bearings, no adjusting. Wide body with low profile for bulk loads. Recession for additional weight. Wheels snap back into place if dropped. Includes instructions. **SB31086 – \$12.95**



**D. Dynamic Cart Kit**

Aluminum with minimum friction bearings and center pole that accepts weights. One cart edge is a metal hammer for release of spring-loaded trigger, other edge has clip for holding paper. 2 carts and 4 weights (each 250 g). 6" x 1½" x 3½". **CHOKING HAZARD (1)**. Not for under 3 yrs. **SB48980 – \$108.00**

**E. Bumper Cars Pair Set**

Cars conceal high-quality plastic-cased magnets (included). **SB52221 – \$19.95**

**Bumper Car Only**

**SB51116 – \$8.25**

**Magnetic Floating Ring Set Only. Set of 4.**

Plastic-cased ring magnets with stand. 1½" x 5/16" thick. **EL12959 – \$12.95**



**Inclined Plane with Protractor**

Inclined plane (can be set at any angle between 0° and 45°) with pulley and protractor, Hall's carriage, 50 g weight hanger, and activity guide. **SA05707 – \$46.95**



**United Scientific Inclined Plane and Lever Kit**

**Gr. 5+** Explore basic mechanics concepts with this durable, all metal, apparatus. The plane in this kit is wide enough to accommodate standard friction blocks. Adjust the plane's angle and lock it into place with a single knob, or flatten it for easy storage. Lever features a printed centimeter scale and support holes at the center and ends. Kit includes aluminum plane, aluminum lever, support stand, attachment rod with support clips, and binder clips. **NE30306 – \$55.95**

**GIVE LESSONS A CREATIVE TWIST**

Explore Medieval mechanics and modern motion

**A. Thames and Kosmos® Catapult Engineering: 6-in-1 Maker Kit**

**Gr. 3–8** Kit enables students to build 6 models of catapults, trebuchets, and other medieval launchers and investigate force, energy, motion, and projectiles. Includes 32-page, full-color manual. **NE30502 – \$24.95**

**B. Trebuchet Kit**

Provides hands-on, practical building experience while allowing students to study energy conversion, levers, trajectories, and more. ½" x 4" x 15". **SB40766 – \$16.95**  
**Class Kit.** 25 Trebuchet kits. **SB40767 – \$310.00**

**C. Thames & Kosmos® Newton's Apple Tightrope-Walking Gyrobot**

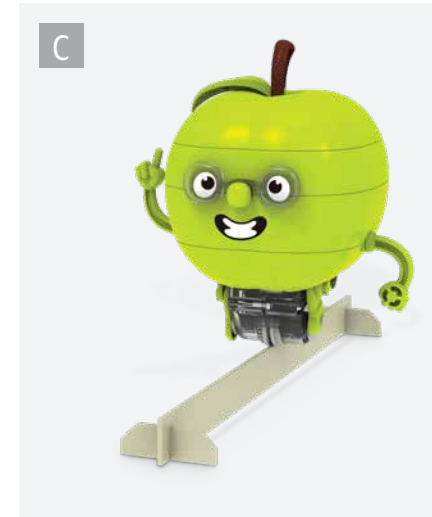
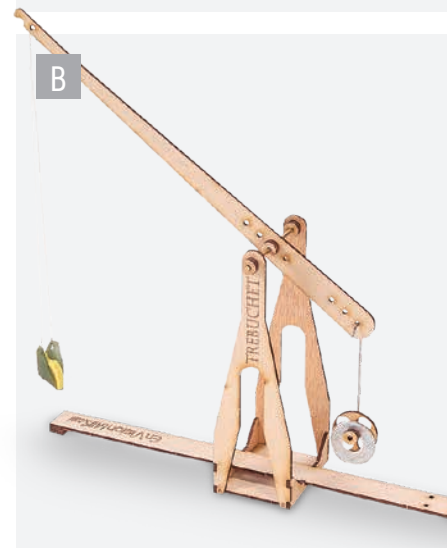
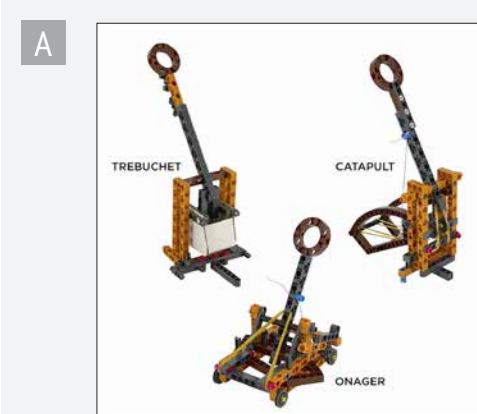
**Gr. 3+** Explore gravity, motion, Newton's laws, force, speed, rotation, balance, and weight by building a robotic apple that defies gravity and walks a tightrope. Includes a 12-page guide with 5 experiments. **NE30397 – \$29.95**

**D. Surface Board**

Surface board with 4 surface materials, hooks, wooden blocks, and instructions. **SB10926 – \$32.00**

**E. Friction Block and Surface Set**

Introduce the concept that friction depends on the nature and smoothness of materials. Includes 3 textured wooden blocks (approximately 3½" L x 2¾" W) with hooks, 1 each of a highly polished block, a sandpaper block, and an aluminum block). 14" L x 2¾" W polished wooden base. **SB40933 – \$15.95**



BEST SELLER

**Nasco Rubber Band Cannons Unit: An Integrated STEM Unit**

**Gr. 5–9** Experiment with variables and record data using rubber band cannons. For 30 students. **CHOKING HAZARD (1)**. Not for under 3 yrs. **TB16225 – \$257.00**  
**Rubber Band Cannon Only.** **CHOKING HAZARD (1)**. Not for under 3 yrs. **TB16185 – \$19.50**



ONLY AT NASCO



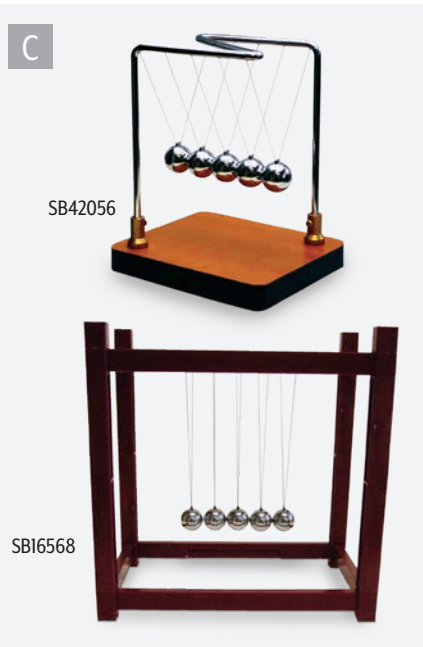


EXCLUDED FROM DISCOUNTS

## HELP STUDENTS VISUALIZE the effects of motion and force

### A. Air Track Apparatus

**Gr. 6+** Measure uniformly accelerated motion and determine gravitational acceleration. Air is pumped through a hollow track with fine holes all along the track, allowing specially fitted air track cars to glide relatively friction-free. **CHOKING HAZARD (1).** Not for under 3 yrs. **Z50737 – \$650.00**



### B. Pendulum Wave Demo

Clear acrylic stand with 9 steel ball pendulums (7/8"). Initiator stick helps to release all the pendulums simultaneously. Teacher's guide. **SB51124 – \$114.95**

### C. Newtonian Demonstrator

An excellent device for demonstrating Newton's Third Law of Motion and the principle of Conservation of Momentum. 5" x 4 1/2" x 6". **SB42056 – \$20.95**

### Newtonian Demonstrator

Plastic support with 5 nickel-plated steel balls. 9" x 7" x 8". **SB16568 – \$35.95**

### D. Bicycle Wheel Gyroscope

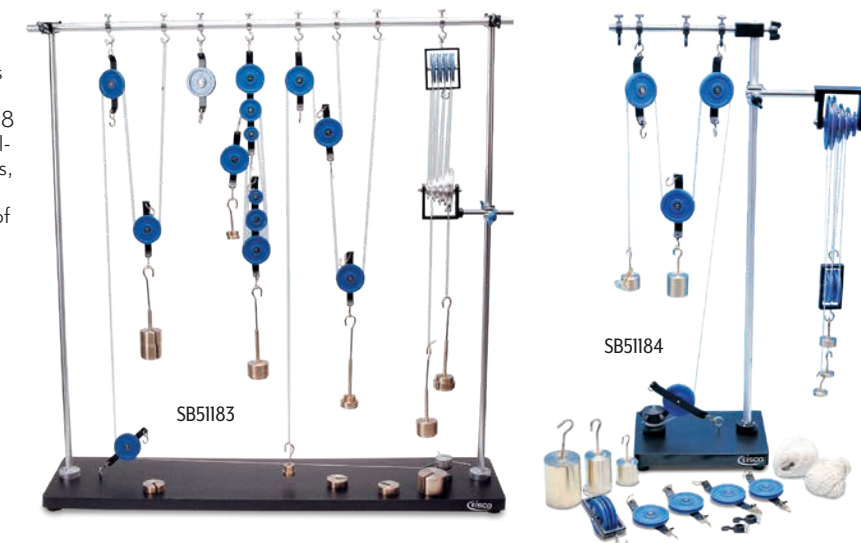
Dramatically demonstrate angular momentum, torque, and gyroscope precession with this rubber, 20" dia. bicycle wheel. Students find themselves personally involved in this demonstration as they try to move the wheel's axis of rotation. The aluminum handle is equipped so the wheel can be suspended from a string. Weights can be hung from the handle to investigate gyroscopic precession. This apparatus will grab students' attention as they learn about the world of rotational physics. Includes comprehensive teacher's guide. **SB21409 – \$74.95**



### Eisco Advanced Pulley Demonstration Set

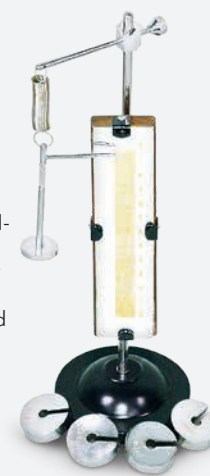
**Gr. 6+** Demonstrate concepts associated with pulleys and their configurations. Can demonstrate multiple configurations simultaneously. Metal base, steel rods, 8 single pulleys, 2 triple-tandem pulleys, 2 quadruple pulleys, 1 heavy composite base (32" x 7 7/8") with 2 sockets, capstan and eye hook, 3 rods (32"), 8 collars with hooks, 3 right-angled clamps, wheel and axle, 4 rolls of cord, and Tommy bar to tighten vertical rod. **SB51183 – \$555.00**

**Student Pulley Demonstration Set. Gr. 6+** Includes 8 single pulleys, 2 double-sheave ball bearing frictionless pulleys, 7 7/8" x 5 7/8" wooden base with 24" vertical rod and 7 7/8" horizontal rod with clamp, 6 collars with hooks, right-angled clamp, wheel and axle, 2 rolls of cord, Tommy bar to tighten vertical rod, 9 hooked brass weights (10 g, two 20 g, 50 g, 100 g, two 200 g, 500 g, and 1,000 g), and instructions. **SB51184 – \$295.00**



### Hooke's Law Apparatus

Heavy base with adjustable mirror millimeter scale, spiral spring with indicator and weight hanger, and four 20 g slotted weights. **SB16580 – \$35.95**



### Forces and Simple Machines Kit

**Gr. 6+** Contains a variety of custom-made and unique components, including Force Board, Inclined Plane, and Vector Board. Also included is a complete set of accessories needed for 15 activities, lab activities manual, and CD with slide presentation of all the experiments. **SB43478 – \$255.00**



### Drilled Ball Set

Two balls each of aluminum, brass, copper, iron, lead, zinc, and wood. 1" each. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB49320 – \$57.95**



### Free Fall Tube

Demonstrate that lighter objects experience the same acceleration as heavier objects by evacuating air from the tube. Plastic tube is closed at each end by a vacuum-tight cap. Bottom cap is fitted with a stopcock for air evacuation. **SB23861 – \$60.95**



### Seismic Accelerator

**Gr. 5+** Watch the law of conservation of energy in action as the red ball skyrockets up to 5 times higher than the height it's dropped from. **CHOKING HAZARD (4).** Not for under 3 yrs. **SB51119 – \$14.50**



### Collision Ball Apparatus

**Gr. 5-8** Demonstrates momentum, conservation of energy, rolling and sliding friction, Newton's Third Law of Motion, and the effects of acceleration and gravity on a moving body. Use on a table, or raise an end to create an incline. Aluminum V-shape track (27"L) and 5 steel balls (3/4" dia.). Includes instructions. **CHOKING HAZARD (1).** Not for under 3 yrs. **SB48979 – \$22.95**

Keep exploring at [nascoeducation.com](http://nascoeducation.com)



**BEST SELLER**



### Nasco Forces, Motion, and Simple Machines Kits

**Gr. 4–8** Investigations include force couples involving “action and reactions,” sliding and rolling friction, centrifugal and centripetal forces, velocity, simple periodic motion, periodic motion of a pendulum, uniform linear motion, accelerated motion, efficiency of machines, ideal and actual mechanical advantage, pulley systems, the pulley as a modified lever, the inclined plane, and the use of levers to multiply force and speed and change direction. Aligned with NGSS. Teacher’s guide.

**Forces, Motion, and Simple Machines Multi-Group Kit.** For 6 work stations. CHOKING HAZARD (I). Not for under 3 yrs.

SB16725 – \$675.00

**Forces, Motion, and Simple Machines Demonstration Kit.** For 1 work station or a classroom demonstration. CHOKING HAZARD (I). Not for under 3 yrs.

SB50706 – \$165.00



### Nasco Forces Kits

**Gr. 5–8** Investigations include force couples involving “action and reactions,” sliding and rolling friction, and centrifugal and centripetal forces. Aligned with NGSS. Teacher’s guide. CHOKING HAZARD (I). Not for under 3 yrs.

**Forces Multi-Group Kit.** For 6 work stations. CHOKING HAZARD (I). Not for under 3 yrs.

SB51743 – \$435.00

**Forces Demonstration Kit.** For 1 work station or a classroom demonstration.

SB51741 – \$105.00



### Pulleys in Motion Class Set

**Gr. 4+** Teach the mechanical principles of pulleys to a whole class. 32-page guide provides easy-to-understand hands-on activities. Includes necessary components. CHOKING HAZARD (I). Not for under 3 yrs.

SB36700 – \$84.95



### Nasco Simple Machines Kits

**Gr. 4–8** Investigate the use of levers to multiply force and speed and change direction, the pulley as a modified lever, the inclined plane, ideal and actual mechanical advantage, and the efficiency of machines. Aligned with NGSS. Teacher’s guide.

**Simple Machines Multi-Group Kit.** For 6 work stations. CHOKING HAZARD (I). Not for under 3 yrs.

SB50709 – \$380.00

**Simple Machines Demonstration Kit.** For 1 work station or a classroom demonstration. CHOKING HAZARD (I). Not for under 3 yrs.

SB19237 – \$87.00



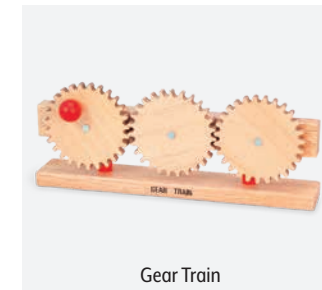
Lever



Inclined Plane



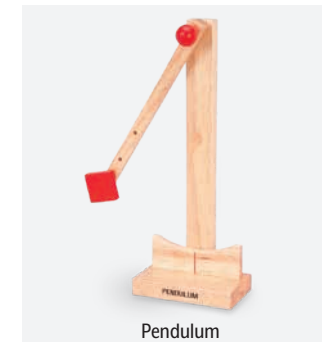
Block & Tackle



Gear Train



Wheel & Axle



Pendulum



Screw



Pulley

### Wooden Simple Machines Complete Student Set

Each model measures 6”–8” and includes a detailed activity guide which details the history of the model, practical applications, and classroom experiments. Includes 1 each of all 8 simple machines below. CHOKING HAZARD (I). Not for under 3 yrs.

SB40569 – \$290.00

### Wooden Simple Machines Set 1

Includes 1 each of Lever, Pulley, Inclined Plane, and Block and Tackle.

SB40567 – \$144.00

### Wooden Simple Machines Set 2

Includes 1 of each of Wheel and Axle, Gear Train, Pendulum, and Screw. CHOKING HAZARD (I). Not for under 3 yrs.

SB40568 – \$163.00

### Thames & Kosmos Forces & Interactions: Middle School Physics Classroom Kit

**Gr. 6–8** Bring the fun of hands-on physics to your middle school classroom with comprehensive lesson planning resources and durable building materials. 116-page teacher guide includes lesson plans, objectives, and assembly instructions for 10 NGSS-aligned activities. Includes materials for up to 4 students. Includes 437 pieces, which come in a stackable plastic storage bin with sorting tray and building lid. Requires 2 “AA” batteries. CHOKING HAZARD (I). Not for under 3 yrs.

NE30279 – \$179.95



### Thames & Kosmos® SpringBots: 3-in-1 Spring-Powered Machines

**Gr. 1+** Learn about potential and kinetic energy and the conversion, storage, and transfer of energy by building a motorized robot, race car, and countdown timer — all powered by a mainspring. 64-page instructions and snap-together assembly.

NE30400 – \$29.95







Easy-to-use kits are ideal for studying Newton's Laws of Motion. The flexibility and durability of the track allow for simple or complex races that can include loops, curves, hills, ramps, and jumps. Can test a variety of objects.



**Wind Power**  
**Gr. 3+** Assemble a wind turbine complete with an electric generator and adjustable rotor blades. Then conduct experiments to optimize the turbine's performance and discover how the turbine can light up an LED and recharge a battery. Includes manual.  
**SB47040 – \$62.95**

**BEST SELLER**



Aligned to NGSS

SB52309

**BluTrack® Adapted Learning Kit**

Includes 18' BluTrack®, 4 ramps, 2 racer cars, and adaptive tape for easy experiment setup. Comes with tape pre-attached to track and ramps. Online teacher's guide gives instruction in setting up lab and lesson.  
**SB51254 – \$126.65**

**BluTrack® Intro to Force and Motion Kit**

**Gr. PreK+** Specifically designed for elementary classrooms, this economical kit features two 6' tracks. Kit also includes 4 ramps, structure inserts to aid in setup, 2 variable mass physics cars, 2 racer cars, 2 graduated bottles, and a measuring spoon.  
**EL15016 – \$170.00**

**BluTrack® Advanced Force and Motion Kit**

**Gr. K-8** Includes 2 full Intro to Force and Motion Kits, two 18' EP Tracks with hanger system and anchor bar, and 8 additional ramps.  
**SB52309 – \$595.00**

**Engineering Coasters and Motion Kit**

**Gr. 6+** Combines the physics of motion with the basics of engineering coaster designs. Includes 12 anchor bars, four 18' tracks, 16 ramps, 4 PVC insert kits, teacher's guide, student's guide, and complete experiment guide.  
**SB52310 – \$510.00**



**A**

**A. Physics Cars.** Die-cast cars. Includes 8 cars and 50 washers. Each car measures 2½" x 1¼" x 1⅛".  
**SB51255 – \$63.75**



**B**

**B. BluTrack® Track.** Includes an 18' track with hanger system and anchor bar.  
**SB52312 – \$63.75**



Scan to see all BluTrack® accessories at [nascoeducation.com](http://nascoeducation.com)



**C**

**C. Hydro-Wind Education Kit**

**Gr. 5+** Generate hydrogen from wind power. Use angular velocity, drag force, and other physics concepts to design and build a wind turbine. LED Voltmeter/Music Maker Module demonstrates power created from wind energy. Curriculum on wind energy and fuel cells.  
 ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB46794 – \$301.00**



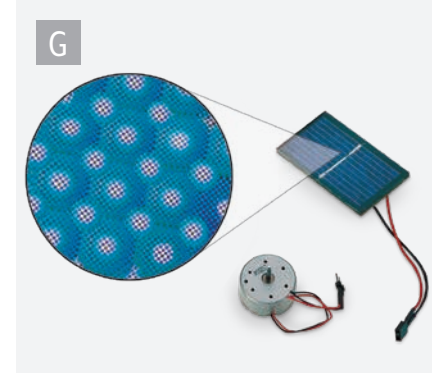
**D**

**E. Thames & Kosmos® Solar Race Car**

**Gr. 3+** Convert solar energy from the sun to power a solar race car. Full-color, step-by-step instructions for 22 snap-together pieces, including gear train and adjustable solar panel.  
**NE30396 – \$15.95**



**F**



**G**

**D. Horizon Renewable Energy Education Set**

Unit on clean power generation includes an exploration of the environmental effects of atmospheric carbon dioxide. Hands-on activities center on complementary attributes of renewable energy sources. Up to 10 class periods of activities. For 3-4 students. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB46790 – \$405.00**

**F. Radiometer**

Partially evacuated glass bulb contains spinner with 4 vanes, blackened on one side, silvered on the other. Turns 3,000 revolutions a minute in sunlight. Will also turn under an incandescent lamp (100 watts or more).  
**S00154 – \$15.95**



**E**

**G. Solar Science Kit**

**Gr. 5+** PV cell, high-efficiency motor, disc with diffraction foil, and informative solar sheet with ideas for science projects.  
**SB27511 – \$14.95**

**H. PowerWheel Kit**

**Gr. 5+** Hook micro hydro generator up to a faucet or a hose, then watch it take energy from flowing water and convert it into mechanical energy, then into electricity. Includes PowerWheel, LED light strip, bridge rectifier, all the wiring to convert the AC output to DC for powering battery-powered devices, and user's manual.  
**SB49096 – \$189.95**



**BEST SELLER**

**Solar Bottle Boat Kit**  
**Gr. 5+** Build 3 solar-powered boats using “recycled” bottles. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB40881 – \$33.99**

**BEST SELLER**

**ONLY AT NASCO**

**Nasco Solar Bottle Boat Class Kit**  
**Gr. 5–12** Everything you need for 6 students or 6 groups, including 6 Solar Bottle Boat Kits (SB40881, above), plastic bottles, paints, and more. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB53392 – \$300.00**

**Solar-Powered Car**  
**Gr. 3+** Operates on sunlight, battery, or strong lamp. 4¾" x 2¾" x 3". Requires 1 “AA” battery, not included.  
**SB47681 – \$25.50**

**Photon Solar Racer Kit®**  
**Gr. 4–9** Travels an average of 10 ft. in 3 seconds on smooth, flat surface when exposed to full sunlight. 9" x 2". **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB23862 – \$33.99**

**BEST SELLER**

**Horizon Fuel Cell Car Science Kit**  
**Gr. 5+** Investigate reaction yields, reduction and oxidation, and other chemistry concepts by performing electrolysis reactions. Learn about conservation of energy, electric power, and other physics concepts by modifying your fuel cell car. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB46787 – \$135.00**

**EXCLUDED FROM DISCOUNTS**

**Regatta® Inflatable Raceway**  
 Place two 6' tables end-to-end, inflate heavy-duty vinyl raceway, and fill each lane with approximately 4 gallons of water.  
**NA10268 – \$32.95**

**Solar Tube**  
 Fill with air by running, tie off ends, and let the sun heat air inside tube. In about 5 minutes, tube (which must be tethered with string) will rise into sky. 50' x 29" dia. plastic tube holds over 200 cu. ft. of air.  
**SB33233 – \$21.96**

**Solar Balloon Energy Kit**  
**Gr. 5+** Explore the properties of light, define optical design, demonstrate energy conversion, generate thermal energy, understand renewable energy, and teach sustainability, all while delivering a high-quality STEM experience.  
**SB52005 – \$69.95**

**A**

**B**

**A. Tin Can Robot**  
**Gr. 5+** Turn a metal soda can into a walking, wobbling, bug-eyed robot, then transform it into a robotic monster. Teaches about recycling and green technology. Requires 2 “AAA” batteries, not included. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB47082 – \$19.95**

**B. Solar Experimenter's Kit**  
 Build your own solar demonstrator. Encapsulated solar cell module, DC motor, holographic disc, and an informative solar energy booklet with charts and graphs explaining photovoltaic solar energy. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB07000 – \$17.50**

**C. Radiation Kit**  
 Use for experiments dealing with heat absorption of light surfaces vs. dark surfaces. 16-oz. black metal container, 16-oz. shiny metal container, 2 insulating lids, 2 thermometers (-20° to 50° C), 110V AC clamp lamp with reflector, and 150-watt light bulb.  
**◆ SB02019 – \$64.95**

**C**

**D**

**D. Energy Beads**  
 Uncover the hidden energy of ultraviolet light as beads change from white to a rainbow of colors when in the sun. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB47413** 100 beads – \$3.95  
**SB51138** 250 beads – \$7.00  
**SB48486** 1,000 beads – \$25.00

**Mini Panels Encapsulated Solar Cells**  
 Uses safe solar cells similar to those that power satellites in space. Mini panels allow for handling with less breaking and cell damage. 6" wires. 3¾" x 2½".

**6.0V Solar Cell.** 50mA. Charge batteries, light LED bulbs, and run small radios. Does not run motors.  
**SB16287 – \$25.00**

**3.0V Solar Cell.** 100mA.  
**SB16288 – \$21.75**

**1.5V Solar Cell.** 200mA.  
**SB16289 – \$18.00**

**1V Solar Cell.** Best for motors. 400mA.  
**SB46194 – \$15.00**

**Solar Kit Mini Motor – 1.5V**  
 Low-cost motor for experiments using low starting voltage (½V). 2 mm shaft dia. 4" lead wires. 1" dia. x 1½" L.  
**SB53049 – \$4.95**

**Solar Kit Motor – 1.5V to 3V**  
 Operates ½V-3V and 200 mA start-up/runs at 80 mA to load. Low torque; high rpm. 2 mm shaft dia. 1" dia. x 1½" with 6" lead wires. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB33479 – \$6.50**

That's just the start! See more options at [nascoeducation.com](http://nascoeducation.com)

⚠ See page 3 for complete Choking Hazard Label Information.

◆ DOT hazardous material    ⚠ Subject to DOT hazardous material surcharge.





**Solar-Powered Rovers**

**Gr. 3+** Harness the power of the sun by building five motorized models: three solar cars, a solar fan, and a solar robot. Perform experiments with each model to learn about gear ratios, solar cells, and more. Includes 54 pieces and 16-page illustrated manual. **NE30117 – \$19.95**

Build unique robots that are powered by the sun



**8-in-1 SolarBots**

**Gr. 1+** Using a compact solar panel, these bots harness energy from the sun to power an electric motor. Build a drummer that marches along, beating a drum; an armadillo robot that does somersaults; a bug that crawls on six legs; and more. Includes 194 pieces and 48-page guide. **NE30118 – \$24.95**

BEST SELLER

A



**A. Energy Conversion Kit**

**Gr. 7–12** Demonstrate the conversion between different forms of energy. Includes 4 devices for generating electrical energy and 3 devices that use electrical energy. Included set of cables connects devices to each other in various combinations. **SB53165 – \$78.95**

**B. Biofuels: Investigating Ethanol Production and Combustion Lab**

**Gr. 6+** The 3 investigations include: a demonstration of corn and cane sugar and the fermented stillage to produce fuel, investigating the energy released by combustion of ethanol and kerosene and comparing the results, and measuring and comparing 2 fuel by-products. For 6 groups of 4 or 5. **CHOKING HAZARD (I)**. Not for under 3 yrs. **◆ C29169 – \$276.30**

B



**C. Individual Student Solar Energy Science Kit**

**Gr. 6–12** Introduce students to how solar light energy is converted into electrical energy. A photoelectric panel collects sunshine, while 3 "consumers" are included to demonstrate use/users of the electrical energy (an LED for light energy, a buzzer for sound energy, and a motor for mechanical energy). A mirror allows students to test varying the amount of sunlight collected by the panel to see if more/less light produces more/less electrical energy. Instructions included. **NE30023 – \$11.50**

E



**D. Solar Kit**

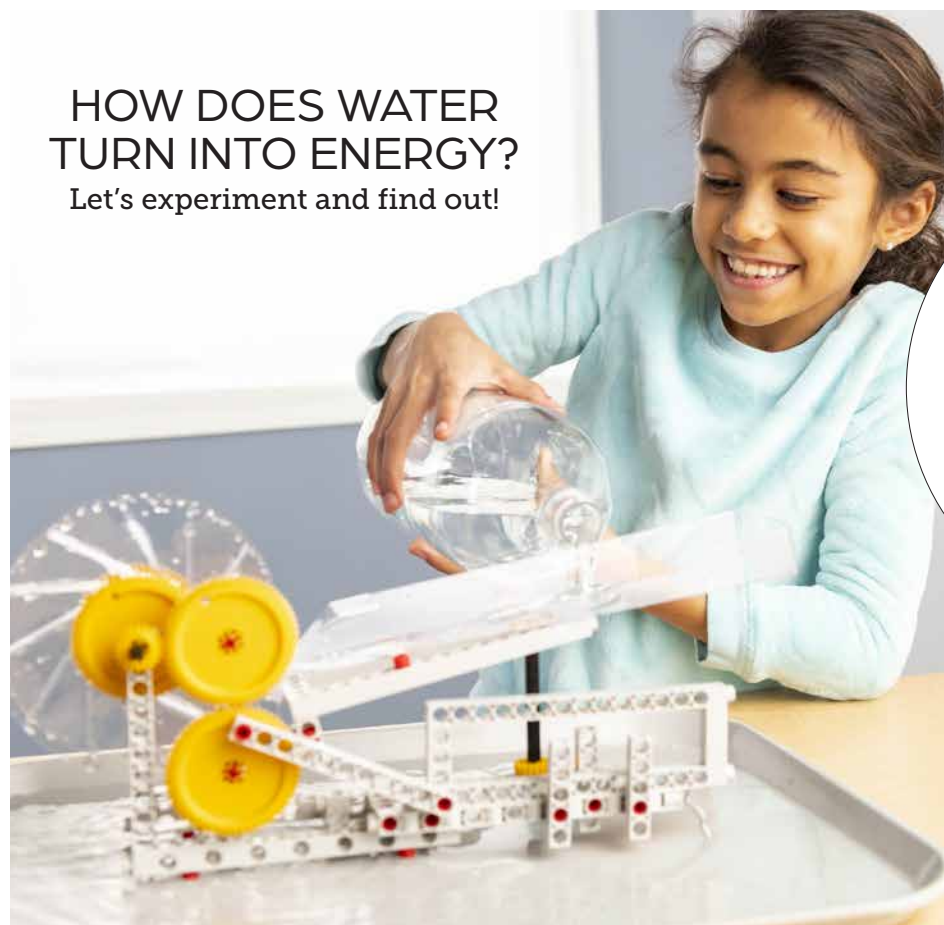
**Gr. 5–9** Demonstrate the effect of solar power and its ability to be converted to mechanical energy, light energy, battery power, and current. 3½" x 3½" mounted solar cell (with terminals, motor, LED, and mounted battery and ammeter on 8" x 4¾" base. **SB43494 – \$35.25**

**E. Solar Science Station**

**Gr. 5+** Three uses: solar USB charger, power supply for other gadgets, and tool for recording solar data. Designed around a large 5.5V 320mA solar cell on rotating axis for adjusting solar cell's angle. Station front contains several ports, including LED voltmeter, USB port, and 2 simple terminal screws for direct power out. All wires are connected to a central screw terminal hub. Requires screwdriver and wire stripper. No soldering required. **SB50641 – \$49.95**

HOW DOES WATER TURN INTO ENERGY?

Let's experiment and find out!



**Hydropower**

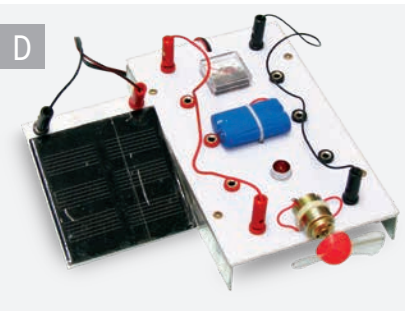
**Gr. 3+** Building projects and 12 experiments show how different devices are used to extract useful energy from moving water. Harness mechanical energy from water to do physical work, make a hydroelectric power station to generate electricity to light an LED, and more. **EL11475 – \$49.95**

BEST SELLER

C



D



**Thames & Kosmos WindBots: 6-in-1 Wind-Powered Machine Kit**

**Gr. 3–11** Harness the wind to power 6 awesome bots that move without any batteries or electricity. As students build and experiment, they'll learn about how gears transmit power, torque and wind as a power-generating technology. Includes 133 pieces and a 52-page guide. No batteries or electricity required. **CHOKING HAZARD (I)**. Not for under 3 yrs. **NE30276 – \$32.95**



**Thames & Kosmos Water Power: Rocket-Propelled Cars, Boats, and More**

**Gr. 3–9** Make a splash into physics with 6 air-and-water-powered models. As students build and experiment, they'll learn about the physics of action-reaction forces, rocket propulsion, nature's rockets, compressed air, and pneumatics. Includes 47 pieces and a 32-page guide. No batteries or electricity required. **CHOKING HAZARD (I)**. Not for under 3 yrs. **NE30277 – \$29.95**



BEST SELLER



For individual tuning forks, go to [nascoeducation.com](http://nascoeducation.com)

**Aluminum Alloy Tuning Forks**

Smooth, aluminum-turned handles approximately 1 3/4" L. Nonmagnetic. Requires no plating. Will not rust or corrode. Scale letter and frequency stamped on each fork. Accurately tuned within ± 5% at 20° C. Weighs 1/2 that of steel forks. Class A-3, tuned to Physical Scientific (C-256).

**Tuning Forks — Student Grade, Set of 4.** 256, C'; 320, E'; 384, G'; and 512, C".  
SBI6561 — \$12.50

**Tuning Forks — Student Grade, Set of 8.** 1256, C'; 288, D'; 320, E'; 341.3, F'; 384, G'; 426.7, A'; 480, B'; and 512, C".  
SBI6562 — \$24.95

**Set of 8 Tuning Forks with Mallet.** Tuning Forks — Set of 8 (SBI6562, above) and mallet (SA01602, below).  
SB48580 — \$24.50

**Mallet Only.** 1" dia. hard rubber ball, 1/4" plastic handle, length 8".  
SA01602 — \$2.95

**Tuning Forks, Set of 13 — Student Grade**

Frequency and scale letter stamped on each fork. Aluminum alloy.  
SB29986 — \$37.95

BEST SELLER



**Nasco Sound Kit**

**Gr. 4-8** Specific concepts are investigated to develop ideas about how mechanical energy converts to sound, how the use of resonating tubes and temperature can be used as a direct measurement, and how the characteristics of sound waves, frequency, wavelength, loudness, and the velocity of sound make an impact in discovering the world around us. Aligned with NGSS.

**Sound Multi-Group Kit.** For 6 work stations. CHOKING HAZARD (I). Not for under 3 yrs.  
SBI7861 — \$280.00

**Sound Demonstration Kit.** For 1 work station or classroom demonstration. CHOKING HAZARD (I). Not for under 3 yrs.  
SBI9239 — \$79.95



**Super Slinky® and Stand**

Extra long Slinky® spring (stands 13 cm high when compressed) allows students more time to observe wave behavior.  
SB39354 — \$40.95



**Wave Demonstrator Set**

This 4' Slinky® spring with 3 times the normal length demonstrates several fundamentals of wave motion. Spring extends to 30'. Longer and heavier 6' helical spring demonstrates the effects of greater mass and of greater tension.  
SBI3636 — \$25.95

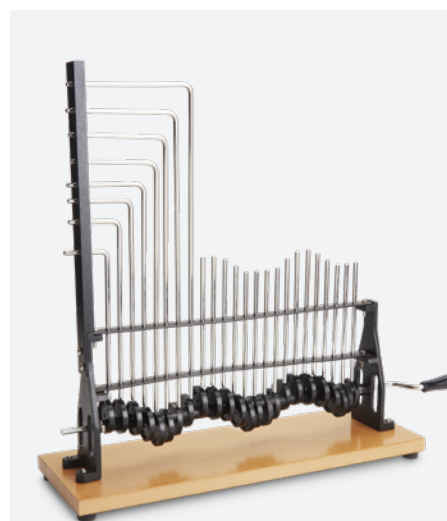
**3" Dia. Metal Slinky® Spring**  
SBI3633 — \$6.75

**6' Metal Helical Spring**  
SBI3634 — \$15.75



**Resonance Apparatus**

Provides data needed to determine wavelengths and velocity of sound. End of 90 cm graduated plastic resonating tube is connected to aluminum reservoir that slides along vertical support rod to raise water level to any level. Produces resonances for 1/4, 3/4, and 5/4 wavelengths of a 512 VPS (not included).  
SBI6555 — \$102.95



**Aluminum Wave Model**

Eccentric discs support a series of rods joined to a handle that is turned to simulate longitudinal and transverse wave motion. Mounted on polished wooden base.  
SB33592 — \$86.95



**Resonance Bowl with Mat**

Rub copper handles. Vibrations make water surface ripple. Soon, water droplets shoot up and become continuous fountain streams. Silicone material and mat's honeycomb design stop bowl from slipping and prevent vibrations from transferring to table. 7" mat withstands temperatures up to 480° F (250° C).

SB52596 — \$149.95

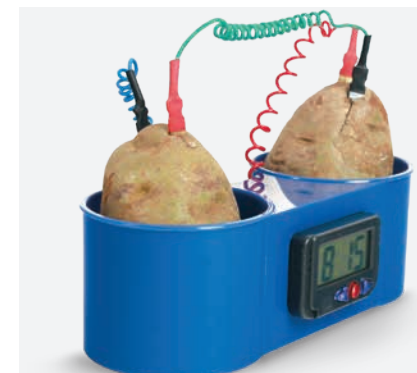
**Resonance Bowl Only**  
SB51123 — \$154.95

**Mat for Resonance Bowl Only**  
SB51122 — \$9.95



**Energy Ball**

Touch two metal strips simultaneously to turn your body into a path to a complete circuit, causing the ball to flash brightly and make an eerie sound.  
SB28883 — \$6.00



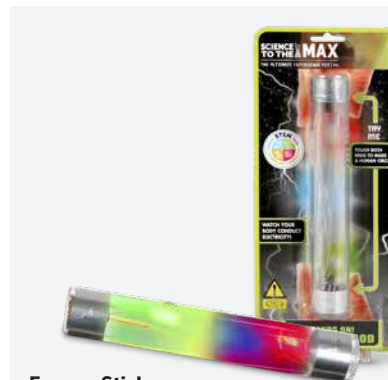
**Two-Potato Clock**

Demonstrates the principle of an electro-chemical cell. LCD clock runs on two potatoes, oranges, grapefruits, or cans of soda. CHOKING HAZARD (I). Not for under 3 yrs.  
SBI6423 — \$22.95



**United Scientific Digital Sound Level Meter**

Measuring range: 30 dBA – 130 dBA. Accuracy: ±1.5 dBA. Resolution: 0.1 dB. Frequency response: 31.05 Hz – 8 KHz. Sampling rate: 2 times/s. Features max/min hold, backlight display, low battery indication, and auto power off. Uses 9V battery (included). 2" x 1 1/2" x 5 1/2".  
NE30534 — \$45.50



**Energy Stick**

**Gr. 2+** Hold the stick in your hands and see if it lights up and makes noises.  
SB48146 — \$8.95

*Show the wave phenomena of diffraction, refraction, reflection, and interference*

**Mini Ripple Tank**

**Gr. 6+** White light source can be switched between constant illumination and strobe to give either moving or frozen images on the screen. In strobe mode, light source is synchronized to wave generator so that perfectly static patterns are displayed. Wave frequency can be varied to provide wavelengths ranging from several cm to a few mm.  
SB52404 — \$275.00







**LED Light Box and Optical Kit**

**Gr. 5+** Plastic three-ray, dual-color light box with 3 individual switch controls; 12 clear acrylic prisms and lenses in different shapes and sizes; and 9 activity cards. 4 5/16" x 2 3/4" x 1 1/4". Uses 3 "AAA" batteries, not included.  
**SB50013 – \$59.95**



**Economy Optics Kit**

**Gr. 6+** Double convex lens (glass, 38 mm dia.), double concave lens (glass, 38 mm dia.), plain lens (glass, 38 mm dia.), clear glass screen, 2 acrylic mirrors (square), white plastic screen, 5 cellophane squares in 5 colors, 3 lens/mirror supports, 2 acrylic prisms (equilateral, 25 mm x 50 mm), plastic graduated beaker, flashlight, candle, and activity guide with 20 experiments.  
**SB31097 – \$48.95**

**Unmounted Plane Mirrors**

Flat, silvered acrylic, square mirrors measure 10 cm. Dimensions may vary. Pkg. of 12.  
**SB16721 – \$23.25**



**Acrylic Mirrors**

Highly reflective, rigid acrylic mirrors. 4 3/4" x 3 3/4" x 1/8". Pkg. of 10.  
**SB26049 – \$23.00**



**Acrylic Prisms**

Highly polished acrylic equilateral prisms. Includes one each of 25 mm, 50 mm, and 100 mm prisms, all with 25 mm sides. Set of 3.  
**SB28596 – \$16.95**



**Disposable Penlight**

High-impact molded styrene. Can be clipped on pockets. 4 1/2".  
**SB50689 – \$3.95**

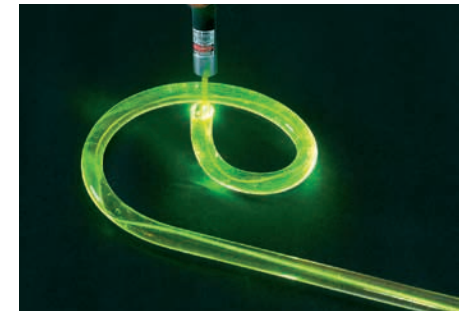
**Flashlight Classroom Pack**

Plastic outer casing. Diamond reflector for wide beam of light. No color choice, color may vary. Pack of 12. Each flashlight uses 2 "D" batteries, not included.  
**SB42623 – \$53.95**

**Flashlight Only**

**SB13626 – \$5.00**

**Batteries. Size "D."**  
 Pack of 2.  
**SB10826 – \$4.90**



**United Scientific Lumirod Light Pipe**

**Gr. 5+** Visually demonstrate the principle of fiber optics in the lab with this light pipe. This curled and clear acrylic rod conducts light by internal reflection. Use a flashlight or a green laser pointer when demonstrating.  
**SB49816 24" L – \$24.95**  
**NE30303 48" L – \$38.25**

**Light Box**

Hinged sides with mirrors for mixing colors. Adjustable lens makes divergent, convergent, or parallel rays of light. Grooves for slit plates or color filters. Includes 8 acrylic plastic blocks, 8 mounted color filters, 2 slit plates, 3 mirrors, set of colored cards, and spare bulb. Requires 12V battery or 12V power supply (not included).  
**SB37306 – \$121.00**



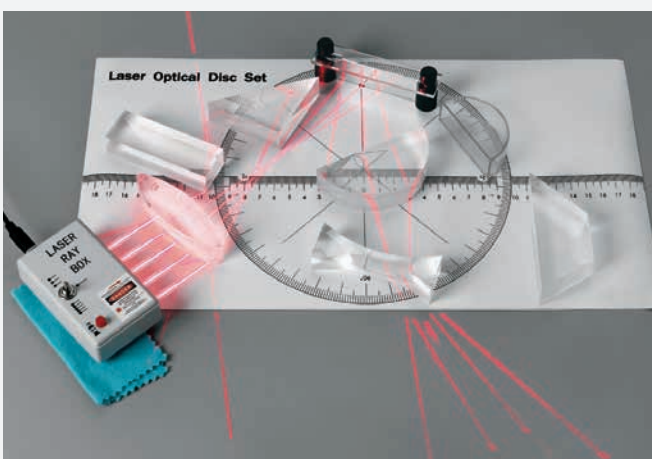
**Laser Pointer Key Chain**

2 1/2". Colors may vary. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB47407 – \$1.95**  
 "AAA" Batteries. Pkg. of 4.  
**SB27438 – \$3.49**



**Lenses Demonstration Set – 50mm**

Plano-concave, convex-concave, double-concave, concave-convex, double-convex, and plano-convex lens types with ground safety edges. Sets of 6.  
**S00169 – \$12.50**



**Laser Optical Disc Set**

**Gr. 6+** Laser ray box projects 1, 3, or 5 parallel bright beams. Substantial vinyl template with degree circle and linear scale forming optical disc. 7 clear acrylic optical elements. Mirror with adjustable curvature. Acrylic element bottoms are frosted to show ray paths. International AC adapter, 15" x 8 1/4" magnetic activity mat, user's manual, and plastic case.  
**SB45835 – \$107.95**



**Concept of Light Kit**

**Gr. 6–8** Safe, hands-on, inquiry-based experimentation into the nature and properties of light. Provides instructions for science fair activities and optional Probeware/Data Logging activities.  
**SB42282 – \$145.00**



**Acrylic Prisms**

Clear acrylic sheet. All sides polished. Set of 6: rectangular block (75 mm x 50 mm x 15 mm thick), semi-circle (90 mm base x 15 mm thick), equilateral prism (75 mm sides, 15 mm thick), double-convex lens, (90 mm long, 23 mm at center), and 2 double-concave lenses (90 mm long, 10 mm at center).  
**SB28593 – \$52.95**



**Equilateral Prism**

60° glass prism with 30 mm base and faces.  
**1" (25 mm) x 2" (50 mm) SB14089 – \$7.50**  
**1" (25 mm) x 4" (100 mm) SB14088 – \$6.50**  
**1" (25 mm) x 3" (75 mm) SB14090 – \$8.50**

**BEST SELLER**



**Lens and Prism Set**

Large prisms and lenses. One side is frosted to aid in revealing the path of light. Set of 7.  
**SB10977 – \$44.95**

**Giant Water Prism**

Throws a spectrum up to 78 3/4" (2 m) long. When filled with water, mineral oil, or another fluid through integrated lid with hole, 16"H right angle prism will display a huge, brilliant spectrum. Will not leak under normal use, rot, rust, warp, or become opaque. Works best with sunlight or a bright laboratory lamp. 1/4" acrylic. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB49112 – \$44.95**



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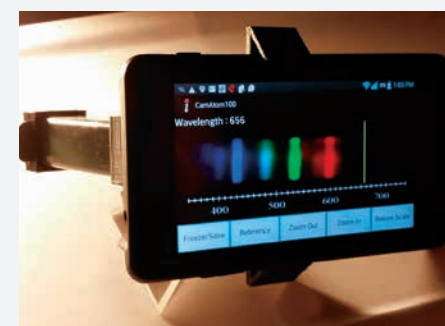
**Nasco Properties of Light Kit**

**Gr. 4–8** This kit includes hands-on experiments that cover basic facts about how light travels including: sources of light, shadows, transmission of light, and more. Includes teacher's guide and materials needed to complete each activity. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs. **NE30086 – \$99.95**



**Acrylic Color Filters**

Use with overhead projector to demonstrate that a material's color depends upon the color of the light it is capable of reflecting, and the color of the light incident upon its surface. 2¾" x 2¾". **SBI4384 – \$3.55**



SB52271

**Spectroscopes**

Give your device the ability to identify and characterize substances. Make measurements in real time. Calibrated with adjustable slit and zoom. Adjustable clip and downloadable app.

**Smartphone Spectroscope.** Works with any smartphone.

**SB52271 – \$68.95**

**iPad® Spectroscope**

**SB53180 – \$88.95**



SB53180



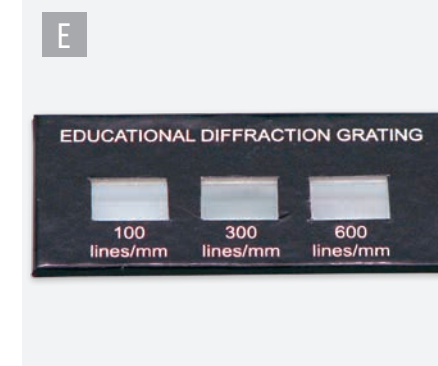
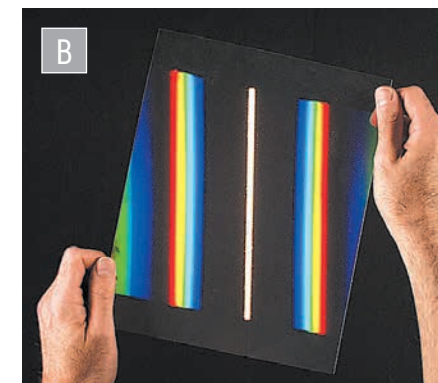
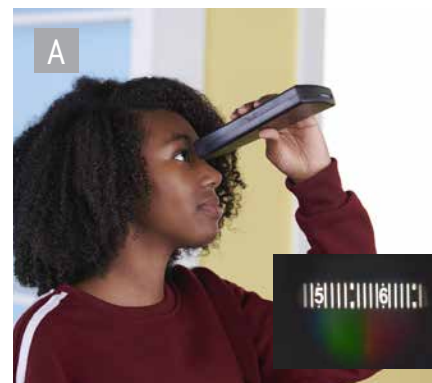
**Newton's Color Disc**

Rotate disc to show that white light is composed of the 7 colors of the spectrum. Disc is attached to pulley mounted on metal stand driven by belt and hand-driven wheel. May come with a metal or heavy cardboard disc. **SB45057 – \$38.25**



**Seeing the Light Kit**

**Gr. 5–8** Explore the behavior of light, including color mixing, reflection, refraction, and the bending of light. For 1–3 students. **SB50540 – \$28.00**



**A. Quantitative Spectroscope**

Investigates bright line spectra to unveil the atomic origin of light. Measure wavelengths of visible light from 4,000–7,000 Angstroms with the precision of ±50 Angstroms using built-in scale. **SB33518 – \$10.95**

**B. C-Spectra® – An Instant Spectroscope**

View light through C-Spectra® and the spectrum will be clearly visible. Every segment produces the same pattern. When cut into 1¼" squares, each 6" x 12" sheet provides approximately 18 pieces. **SB23811 – \$24.95**

**C. Replica Diffraction Grating Slides**

Gratings are mounted in a 2" x 2" slide frame. 13,500 lines per inch. Pkg. of 25. **SB26512 – \$10.95**

**D. Digital Lux Meter**

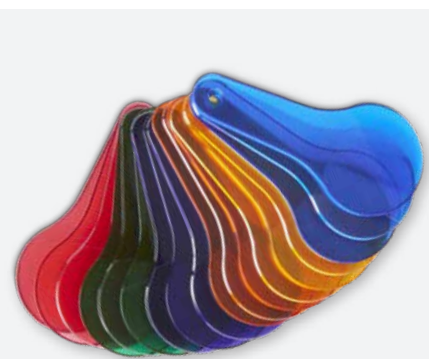
Checks luminance level. Range: 0–50,000 or 0–100,000 Lux with 0.4 second sampling time. High accuracy, accurate response, auto zeroing, over-range indication, 1/16" LCD display, data hold, and low battery alert. Operating temperature: 32° to 122° F (0° to 50° C). Estimated battery life: 200 hours. 4⅝" x 2⅛" x 1⅜". Requires one 9V battery (not included). **SB50326 – \$46.50**

**E. Educational Diffraction Gratings**

Three diffraction gratings mounted on same slide: 100, 300, and 600 lines per mm. Individual gratings: ½" x ⅜". Slide: 3" x 1¼". **SB45751 – \$35.95**

**F. Color Mixing Demonstration**

Demonstrate color mixing with red, blue, and green. Color brightness can be controlled by individual switches. 4⅝" x 3⅝" x 4¼" with 3" screen. Uses 3 "AA" batteries, not included. **⚠ CHOKING HAZARD (I).** Not for under 3 yrs. **SB47548 – \$52.95**



**Color Paddles**

Transparent 6" paddles in 6 colors with 3 textures demonstrate the principles of color mixing. Set of 18. **9712420 – \$8.50 6+ \$7.65**



**Diffraction Grating Glasses**

13,500 lines per inch, double axis holographic diffraction grating lenses separate light from any source into its spectral components. Set of 6. **SB49296 – \$4.95**



**6" Mini Blacklight**

Requires 4 "AA" batteries (not included). **EL12235 – \$9.95**



**BEST SELLER**

**Density Cube Sets**

**Gr. 5+** Cubes for experimenting with mass, volume, density, buoyancy, specific gravity, and flotation. 1 1/4".

**4-Cube Set.** Nylon, acrylic, aluminum, and pine wood. **SB44474 — \$15.95**

**10-Cube Set.** Aluminum, steel, brass, copper, acrylic, maple, nylon, pine, poplar, and PVC. **SB31356 — \$40.95**

**12-Cube Set.** Copper, brass, steel, aluminum, acrylic, oak, nylon, pine, poplar, PVC, lignum vitae, and polypropylene. **SB45884 — \$46.50**



**Ice Melting Set**

Place an ice cube on each of the 2 black blocks (1 aluminum, 1 plastic foam) and watch as 1 ice cube melts faster. **SB39159 — \$26.95**

**BEST SELLER**

**Nasco Electricity Value Pack**

Includes 66 clip leads and 20 each of lamp sockets, 1.5V lamps, "D" cell battery holders, "D" cell batteries, and single-throw switches. For class of 40 students working in pairs. **SB42846 — \$189.95**



**Equal Mass Cylinder Density Set**

Demonstrate the inverse relationship between density and length. Includes 5 cylinders weighing 15 g each: copper, aluminum, nylon, polyvinyl chloride, and polyethylene. All are 1/2" (12 mm) dia. and range from 5/8" to 4" (15-100 mm) in length. **SB15356 — \$13.50**



**Density Cube Set**

1/2", 1", and 1 1/2" cubes of 8 materials: acrylic, aluminum, brass, copper, nylon, polypropylene, PVC, and steel. Reference table shows density values of specimens. **SB53047 — \$154.95**



**Heat Pack**

Snap metal disc to create a chain reaction, causing solution of water and sodium acetate to crystallize and give off heat. 4" x 4". **SB47058 — \$6.50**

**NEW**

**United Scientific Digital Infrared Thermometer**

Temperature range: -50°C to 500°C (-58°F to 932°F). Field of view: Approximately 12:1 distance-to-spot ratio (90% encircled energy at focal point). Diode laser: Output <1 mW. Automatic shut off after 7 seconds. Uses 2 AAA batteries (included). 6" x 1" x 2.2". **NE30535 — \$47.50**



**Density Identification Set**

Identify 12 samples of common materials by determining their density. Each 1/2" dia. cylinder varies in size and density. Lengths vary between 1 1/16" and 2 5/8". **SB39210 — \$45.95**



**Set of 18 Density Blocks**

Includes 10 mm cube, 20 mm cube, and 30 mm x 20 mm x 10 mm block each of aluminum, brass, copper, lead, steel, and zinc. **SB45749 — \$50.95**



**Hand Boiler**

Watch as liquid rises and bubbles from heat of your hand. Color and style may vary. 7". **SB50603 — \$6.95**



**Pulse Glass**

Hold one glass bulb in hand to cause evaporation of a portion of the liquid, which forces liquid into other bulb. **CAUTION:** Only operate using hand heat. **SA09087 — \$11.00**



**AirZooka™**

Teach the science of an air vortex. Pull back and release built-in plastic air launcher to shoot a harmless ball of air up to 20'. Assorted colors. **SB40514 — \$24.95**



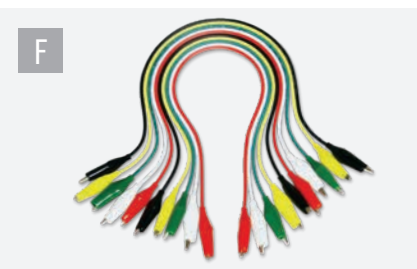
**C**



**D**



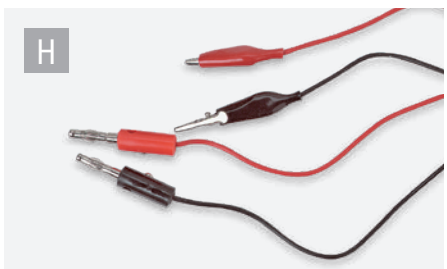
**E**



**F**



**G**



**H**

**A. Series 2000 Type (PE) Plain Enamel Copper Magnet Wire**  
Solid bare copper conductor wire with oleoresinous (plain enamel) insulation. Temperature: -30° to +80° C. Characteristics: MIL-W-583 Class 80.

Product No.	Description	Gauge	Length	Each
SB10515	1-lb. Spool	18	195'	\$32.95
SB42921	1-lb. Spool	20	79'	\$8.25
SB10517	1-lb. Spool	22	500'	\$32.95
SB10518	1-lb. Spool	24	790'	\$32.95
SB10519	1-lb. Spool	26	1,260'	\$32.95

**B. PVC-Covered Copper Connecting Wire**  
Use when high conductivity with negligible loss is essential. PVC-coated copper wire.

Product No.	Description	Gauge	Length	Each
SB10520	10-oz. Roll, White	22	100'	\$8.15
SB10521	10-oz. Roll, Black	22	100'	\$8.15
SB10522	10-oz. Roll, Blue	22	100'	\$8.15
SB10523	10-oz. Roll, Red	22	100'	\$8.15
SB40515	10-oz. Roll	20	100'	\$12.95

**C. Insulated Alligator Clips**  
5 black and 5 red clips with insulated handles. Pkg. of 10. **SB23790 — \$7.50**

**D. Fahnestock Clips**  
For 1 wire. With screw hole. Pkg. of 100; 3/4" x 5/16". **SB19192 — \$15.70**

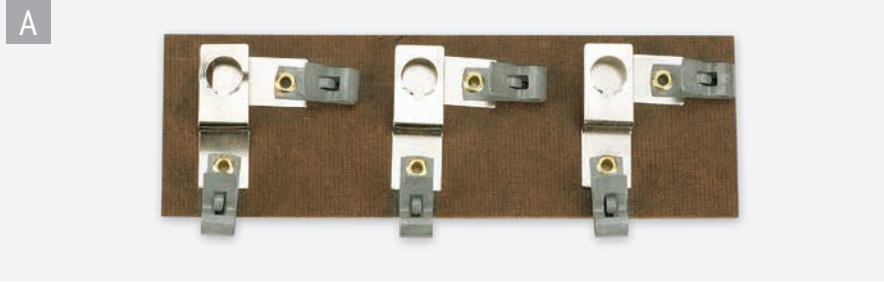
**E. Alligator Connector Cords**  
Flexible, plastic-covered wire with alligator clips at both ends (3 red and 3 black). Pkgs. of 6. **SB13984 12" — \$7.95**      **SB13985 24" — \$8.95**

**F. Alligator Lead Set**  
Alligator leads in 5 colors. 14" cords. Set of 10. **SB51195 — \$10.95**

**G. Banana Plug Cords, Stacking Type**  
Two-way stack plugs are at both ends of flexible coated wires (3 red and 3 black). 24" cords. Pkg. of 6. **SB13988 — \$16.50**

**H. Banana Plug Cords with Alligator Clip**  
Flexible, plastic-covered with a banana plug at one end and alligator clip with protective vinyl sheath at other. 12". Pkgs. of 6 (3 red and 3 black). **SB13990 — \$12.15**





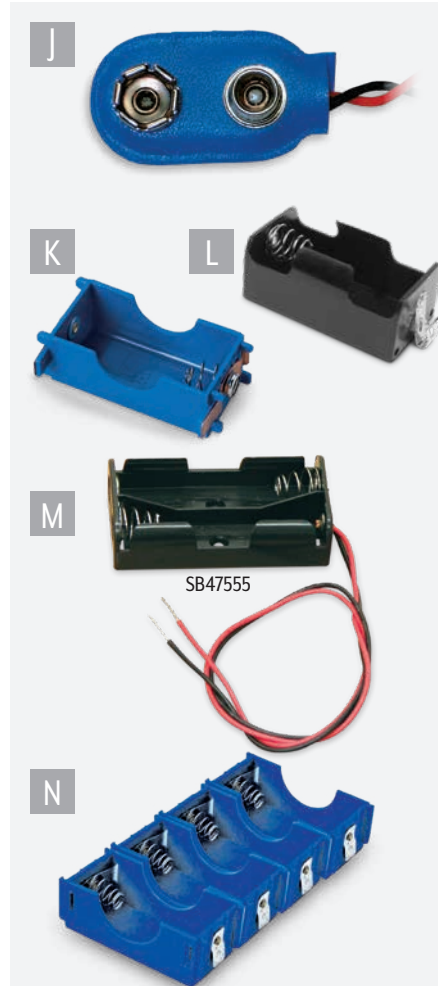
**Wire Stripper**  
Heavy-gauge steel. 5" tool strips 10–24 gauge wire and trims copper wire up to 10 gauge. Permanent black finish with PVC grip handle. 8"L.  
SB27693 — \$4.95



**E. Metal Lamp Holders**  
Miniature sockets with 2 terminals fit all miniature screw base lamps. Pkg. of 10. **CHOKING HAZARD (I).** Not for under 3 yrs.  
SB46999 — \$4.65



**H. Miniature Lamps**  
Screw base. For miniature lamp holders on this page. Pkgs of 10.  
S09288 1.5V — \$4.00  
S09289 2.5V — \$4.00  
SB52273 6.3V — \$6.50



**J. 9 Volt Battery Connector**  
5/8" (15 cm) red and black leads with insulated snap-in connector.  
SB41221 — \$1.65

**K. Battery Holder/Joiner**  
Holds a standard "D" size cell battery. High-impact plastic with male and female button snaps on ends. Extensions on sides allow instant connections in series or in parallel without using leads.  
SB19023 — \$2.95

**L. Battery Holder**  
Fahnestock clips attached at each end. D-cell snaps into plastic holder, which can be joined for series or parallel circuits.  
SB41216 — \$1.55

**M. Battery Holders**  
Comes with a 12" wire.

Product No.	Cell Holder	Cells	Price
SB47555	AA	2	\$1.05
SB47556	AA	2 with Switch	\$1.55
SB47551	D	1	\$1.55

**N. Plastic "D" Battery Holder**  
Pack of 4 "D" detachable battery holders that secure 4 batteries in parallel or series.  
SB45491 — \$6.50



**Nasco Bucket O' Batteries**  
Pack of 48 "D" batteries in storage bucket with lid.  
SB42845 — \$61.95

**Nasco Bucket O' Batteries with Holders**  
20 "D" batteries, 15 battery holders, and storage bucket. For 15–30 students.  
SB42844 — \$42.95



**Battery Holders**  
Comes with 12" wire and alligator clips attached. 26 gauge wire.

Product No.	Size	Cells	Each	10+
SB53286	AA	1	\$1.50	\$1.35
SB53287	AA	2	\$1.95	\$1.75
SB53288	C	1	\$1.95	\$1.75
SB53268	D	1	\$2.95	\$2.65
SB53290	D	2	\$2.95	\$2.65
SB53291	9V	1	\$2.95	\$2.65

Alkaline Plus Power

1.5-Volt Plus Batteries

A much longer life than conventional carbon-zinc batteries. Batteries maintain a full-rated voltage for life. Battery brands may vary.

Product No.	Size	Pkg.	Price/Pkg.
SB27438	AAA	4	\$3.49
NE30593	AAA	8	\$5.19
NE30595	AAA	16	\$9.99
BE01291	AAA	24	\$13.99
SB10828	AA	2	\$1.89
BE01288	AA	4	\$3.49
NE30592	AA	8	\$5.19
NE30594	AA	16	\$9.99
BE01290	AA	24	\$13.99
SB10827	C	2	\$4.75
SB34663	C	4	\$7.65
SB10826	D	2	\$4.90
SB19164	9V	1	\$3.99
NE30596	9V	2	\$6.99



**6-Volt Heavy-Duty Battery**  
Magnetic poles.  
S09285 — \$7.25

Super Heavy-Duty Batteries

1.5V. super cells provide up to twice the life of ordinary general-purpose cells.

Product No.	Size	Pkg.	Price/Pkg.
SB10916	AA	4	\$1.75
SB10915	C	2	\$2.15
K00131	D	1	\$1.25
SB08606	D	2	\$2.25



**CR2032 Lithium Coin Batteries**  
Long-lasting and powerful — a single Lithium Coin Battery can replace two or three conventional coin batteries.  
◆ NE30597 Pack of 4 — \$3.49  
◆ NE30598 Pack of 10 — \$6.99

**A. Miniature Lamp Bulb Holders**  
With 2 Fahnestock clips for connecting wires. No screwdriver required. Mounted on Masonite base. Components can be combined to form circuits of multiple lengths.

Product No.	Description	Each
SB17079	Single Holder	\$1.20
SB18058	Triple Holder	\$3.95

**B. 5 Mini Lamp Circuit Board**  
Mounted on 4" x 11" styrene base with 10 connecting posts and 8 connecting links. Buss bars connecting receptacles allow for quick changing from parallel to series circuits and many combinations. 6V lantern battery recommended.  
SB13995 — \$21.00

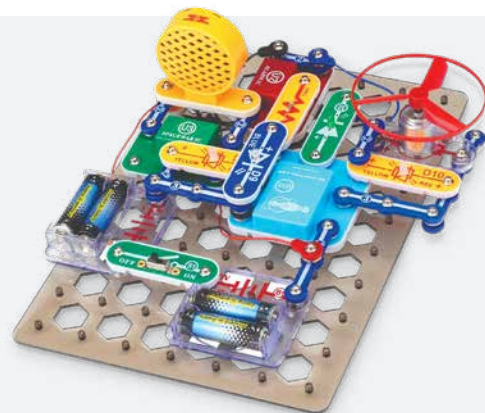
**3-Lamp Circuit Board.** Use with 6V maximum for safety. Mounted on 8" x 5 1/2" x 3/4" clear acrylic base for overhead projections.  
SB31102 — \$26.50





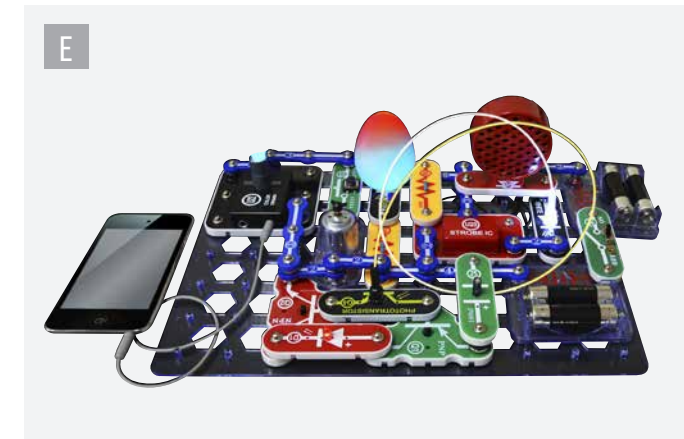
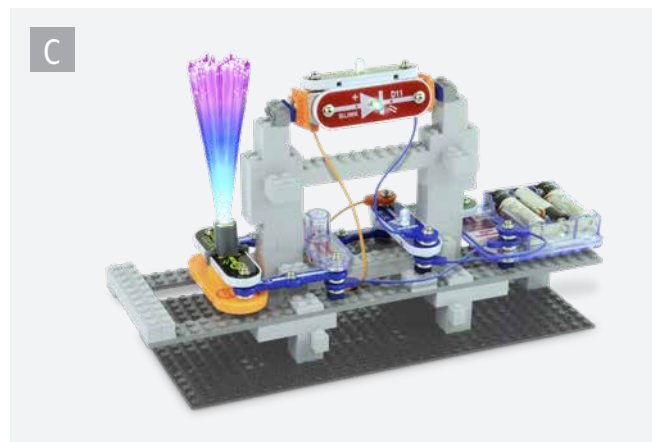
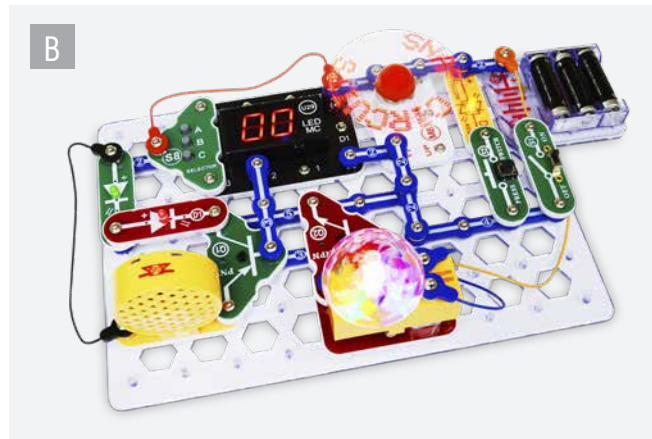
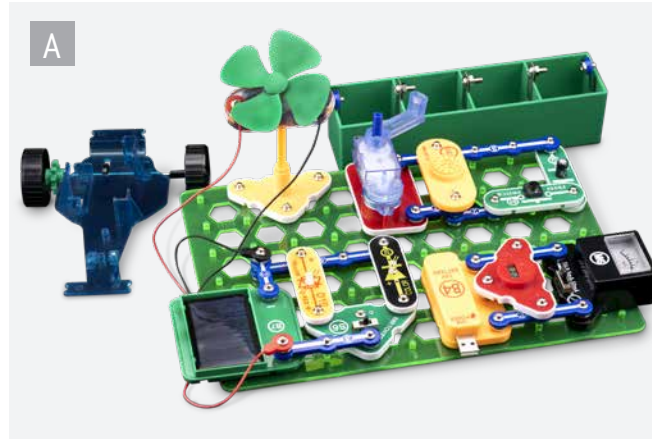
**Snap Circuits® MyHome Kit**

**Gr. 3+** Students can build a house with real functional 3D circuits, just like the ones they use every day, and learn all about how they work. Includes 60 pieces and an illustrated, full-color manual with 25+ projects. **NE30431** — \$79.95



**Snap Circuits® Discover Coding Kit**

**Gr. 3+** Build projects with lights, sounds, and a motor and control them with a smartphone or tablet. Includes over 30 pieces, Bluetooth-powered SC Controller, 5 control outputs, and an illustrated, full-color manual. **NE30432** — \$94.95



**Snap Circuits® STEM Kit**

**Gr. 3+** Dive into STEM concepts with award-winning Snap Circuits! Projects explore magnetic fields, how the electricity in a home works, how switches control electricity, and more. Includes over 45 pieces and an illustrated, full-color manual with 85+ projects. **NE30434** — \$58.95



**Snap Circuits® Educational Kits**

All kits include pieces and a manual. Kits with computer interface are the same as regular kits but include extra computer-interfaced projects.

**Snap Circuits® Jr. Gr. 2+** 100 experiments. 30 pieces.

**SB39452** In hard case — \$70.95

**SB37731** In box — \$44.95

**Snap Circuits® Classic. Gr. 2+** 300 experiments. 60 pieces.

**SB39453** In hard case — \$163.95

**SB37730** In box — \$89.95

**Snap Circuits® Pro. 500 experiments.** 75 pieces in a box.

**SB39162** — \$125.95

**Snap Circuits® Extreme. Gr. 2+** High-tech computer interfaced kit for more advanced students. Over 80 parts build over 750 experiments including voice recorder, IC FM radio module, analog meter, and more. Extreme Training Version also includes 138-page student guide and a teacher guide with quizzes. In cardboard box.

**SB39455** Snap Circuits® Extreme — \$189.95

**SB53355** Snap Circuits® Extreme Training Version — \$268.95



**Snap Circuits® STEM Classroom Activity Kit**

**Gr. 3–5** Get an entire circuitry unit in one convenient kit — created by teachers for teachers! The step-by-step curriculum walks through 10 days of open-ended activities. Includes 6 activity kits (support up to 18 students), 1 teacher's guide, 6 student workbooks (additional workbooks sold separately), detailed parts list and explanation, spare parts, traditional (pre/post/summative) and project-based assessments, presentation materials, summary sheet, and carrying case.

**NE30435** Classroom Activity Kit — \$475.00

**NE30436** Additional Workbooks, Set of 6 — \$37.00



Want more? Scan to see all the extras at [nascoeducation.com](http://nascoeducation.com)





**ONLY AT NASCO**

**Nasco Current Electricity Kits**  
**Gr. 5–8** Detect and investigate the direction of current flow and magnetic fields, batteries and chemical voltaic cells, series and parallel circuits, voltage, amperage, resistance, work done in electrical circuits, electrical heating effects, short circuits, and fuses. Aligned with NGSS.

**Multi-Group.** For 6 work stations. **SB50691 – \$440.00**

**Demonstration.** For 1 work station or classroom demonstration. **SB50150 – \$96.95**

Includes digital guide

SB50691



**Nasco Electrical Supply Set**  
 Includes 10 "D" cell battery holders, 10 bulbs (#41), 10 bulb sockets, 20 electrical clips, 10 knife switches, 100' bare copper wire, 100' insulated wire, and 5 wire strippers, all in plastic carry case.  
**SB27441 – \$79.95**



**ONLY AT NASCO**

**Nasco Electromagnetism and Current Electricity Kits**  
**Gr. 5–8** Covers fundamental characteristics of current electricity and electromagnetism. Investigations include recognizing complete circuits, experimenting with conductors and insulators, determining direction of current flow and magnetic field in circuits, making an electromagnet and applying the "left-hand rule," and factors that affect the strength of an electromagnet. Aligned with NGSS. **CHOKING HAZARD (I).** Not for under 3 yrs.

**Multi-Group.** For 6 work stations. **BEST SELLER \* SB15342 – \$235.00**

**Electrical Board Only.** Wood board designed to use connecting wires to build circuits. **SB14180 – \$18.55**

**Demonstration.** For 1 work station or classroom demonstration. **SB50690 – \$84.95**

Includes digital guide

**\*EXCLUDED FROM DISCOUNTS**

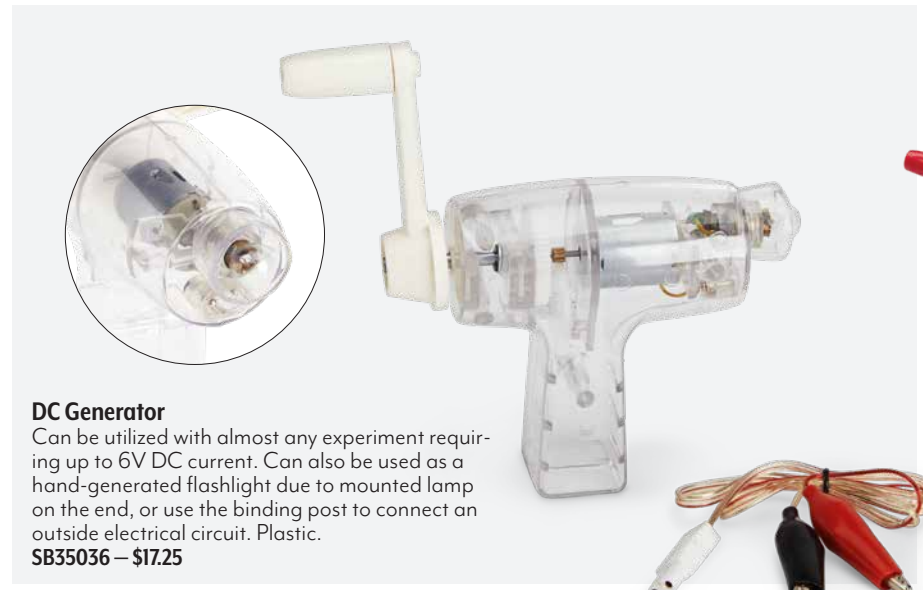
SB15342

*Get everything you need to explore circuits, currents, switches, and more*



**Nasco Student Electricity Assortment**  
**Gr. 5+** Includes 10 mini lamp bulbs (1.5V), 10 Fahnestock clips, 3" x 4" plastic bag, 6 battery holders, 100' of black-coated copper wire, 3 alligator connection cords, 3 banana plug cords, 6 bulb holders, 3 knife switches, 1 wire stripper/crimp tool, and flip top storage box.  
**SB45407 – \$39.95**

PUT THE POWER IN THEIR HANDS  
 to experiment and invent



**DC Generator**  
 Can be utilized with almost any experiment requiring up to 6V DC current. Can also be used as a hand-generated flashlight due to mounted lamp on the end, or use the binding post to connect an outside electrical circuit. Plastic.  
**SB35036 – \$17.25**

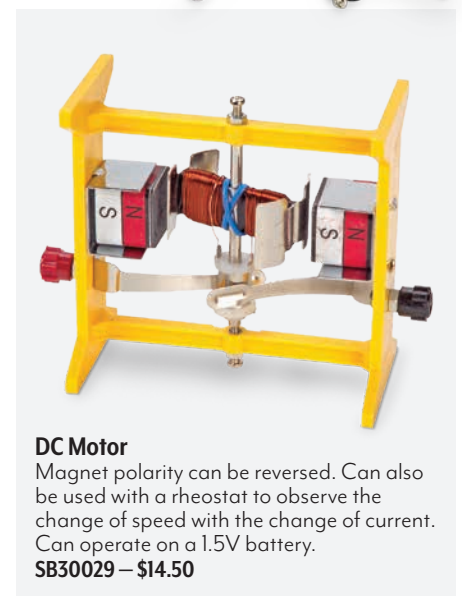


**Genecon Handheld Generator**  
 Generates up to 12V DC. Handle with reinforced thumb grip and longer lead wire that is color coded (red and black). Reinforced internal gears improve longevity of the unit. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB48089 – \$67.95**



**BEST SELLER**

**World's Simplest Motor**  
 Motor kit demonstrates the basic principles of electromagnetism. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB26058 – \$8.99**



**DC Motor**  
 Magnet polarity can be reversed. Can also be used with a rheostat to observe the change of speed with the change of current. Can operate on a 1.5V battery.  
**SB30029 – \$14.50**

Build your wish list and email it at [nascoeducation.com](mailto:info@nascoeducation.com)



**1" Dia. DC Motor**  
 Operates from 1.5V to 3V at .5V with no-load 80 to 90mA. .5 stall 200mA. Low torque; high rpm. 1" dia. x 1 1/2"L. 2 mm shaft.  
**SB18068 – \$4.95**



**DC Motor with Alligator Leads**  
 Voltage requirements: 4.5 to 6.0 DC volts. Red and black connector cord with insulators. 3"L.  
**SB39321 – \$4.95**

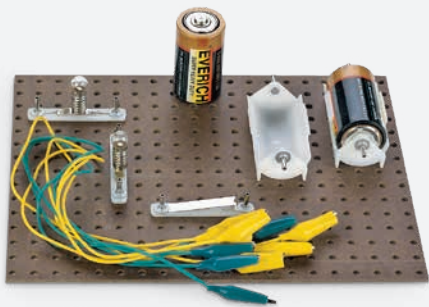


**Electrical Buzzer**  
 Includes 1 red and 1 black lead (4" each). Works with 1.5V, "AA," "C," or "D" batteries. Buzzer housing includes 2 screw holes for mounting. 1/2" x 1" x 1/2". **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB47558 – \$4.15**





**Individualized Science Module – Mini Electricity Kit**  
**Gr. 3–8** Create electrical circuits using energy stored in batteries to light a bulb and ring a doorbell. For 4–8 students.  
**SB27593 – \$45.95**



**Individualized Science Module – Simple Circuits Kit**  
**Gr. 3–8** Construct simple electrical circuits with or without a switch to learn about the flow of electrical current. For 4–8 students.  
**SB27587 – \$26.50**



**Plasma Globe**  
 Touch of the hand causes streams of “electrically” charged particles to leap harmlessly within sealed globe. Responds to music and voice. The globe is 4” dia. and overall 8”H. UL listed. AC adapter included.  
**SB48449 – \$22.95**

**CaddyStack Electricity Kit**  
 Includes 16 bulb holders, 16 switches, 16 miniature bulbs, 30 wire connectors, 16 battery holders, 16 “D” cell batteries, 2 motors, 2 buzzers, 32-page teacher’s guide, and plastic tote. For 15–30 students. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**SB32922 – \$143.95**

**BEST SELLER**

**200 KV Electrostatic Generator**

**Gr. 5+** Generates 5” sparks. No shock hazard. 200,000V potential in humidities up to 90%. Neoprene belt lasts up to 500 hours (spare included). Plastic molded base and housing, 18 cm aluminum globe, PVC column, ground, and terminal. Already assembled. Uses 110V AC, 60 cycle.  
**SA05680 – \$202.95**



**400 KV Van de Graaff Generator**

**Gr. K+** Seamless, negatively charged, 12½” dia. stainless steel globe for learning about static charge. 3” dia. column is made of shock-resistant, transparent butyrate. Sparks can reach up to 10”. Operates in humidities up to 90%. 400,000V potential. Unit is 29”.  
**SB40813 – \$715.00**  
**Replacement Belt.** Neoprene.  
**SB41227 – \$43.95**



**Student Meters – DC**

Closed-back meters offer reliability, ruggedness, and affordability. 5½” x 3½” x 3⅞” plastic housing. Large 3¾” x 3⅞” clear plastic meter face has external zero adjustment. All meter movements are diode protected against overload. Five-way versatile binding posts. Accuracy ±2.5% of full scale on all models.

Product No.	Meter Type	Scale	Range	Each
SB26365	DC Voltmeter	Single	0-10V	<b>\$10.50</b>
SB26366	DC Voltmeter	Double	0-5/0-15V	<b>\$12.50</b>
SB26374	DC Ammeter	Double	0-1/0-5A	<b>\$12.15</b>
SB26381	DC Milliammeter	Triple	0-5/0-50/0-500mA	<b>\$9.95</b>



**Individual Student Electrostatics Science Kit**

**Gr. 6–12** Whether students are learning in the classroom or from home, this kit allows them to explore static electricity. Help them create static electricity and the conditions where it appears. Kit includes: 3 rods (hollow glass, half-ground glass and ebonite); 3 balloons; 3 friction pads (flannel, silk, animal fur); and instructions.  
**NE30022 – \$24.95**



**Nasco Friction Rod Kit**

Solid plastic rod, hard rubber rod, and hollow glass rod (closed at one end); 3 friction pads (flannel, silk, animal fur); balloons; and instructions.  
**SB13247 – \$27.95**



**United Scientific Digital Multimeter**

**Gr. 5+** Measure and verify multiple electric stimuli with this digital multimeter. This versatile and economical tool includes AC voltage, DC voltage, continuity, resistance, transistor, and battery test modes. Features digital LCD display. Complete with two 24” wire leads. 9V battery included.  
**NE30305 – \$9.95**



**Digital Multimeter**

Extra-large 3¾” digit LCD display (4,000 count), low-battery display, floating decimal point, frequency counter (up to 10 MHz), AC and DC current (0-10A, 5 ranges), transistor hFE test, resistance (0-40MΩ, 6 ranges), low OHM continuity beeper, transistor hFE test socket, recessed input jacks, low power consumption, over range indicator, automatic polarity indicator, AC and DC voltages (600V, 5 ranges), capacitance (up to 200μF, 6 ranges), diode test function, capacitance test sockets, and input impedance 10MΩ on all ranges of AC and DC voltage measurement. Includes 2 leads with banana-clip ends and 2 probes. Protected three ways against accidental overloads.  
**SB27462 – \$52.95**



**Digital Multimeter**

3½” digit LCD readout (2,000 count display). Transistor test, audible continuity test, diode test, 50 Hz signal injector (square wave), overload protection, and test leads. DC voltage range: 200mV, 2000mV, 20V, 200V, 600V. DC current range: 200uA, 20mA, 200mA, 10A. AC voltage range: 200V, 600V. Resistance range: 200Ω, 2000Ω, 20 KΩ, 200KΩ, 2000Ω. Input impedance: 1MΩ. 5” x 2¾” x 1”.  
**SB26578 – \$21.95**





**A. Magnet Set**  
Includes steel horseshoe magnet, 2 ceramic bar magnets, 3 ceramic donut magnets, 4 metal squares, iron filings pack, lodestone, 2 magnetic compasses, and activity guide with 17 experiments.  
SB31100 – \$41.95



**B. AC/DC Variable Power Supply**  
DC output from 0–30V. AC output from 0–40V at up to 5 amps. Voltage adjust knob controls all three outputs. Volt and amp meters display setting. 7¾" x 12" x 5¾".  
SB45640 – \$275.95



**C. Mighty Magnets**  
Plastic. Set of 6; 5".  
SB38803 – \$26.95



**D. Dowling Alnico Magnet Set**  
Includes 1" horseshoe magnet, 2" horseshoe magnet, 2" bar magnet, and tube of iron filings and steel shapes. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.  
SB45563 – \$24.99



**E. United Scientific Float and Spin Magnet Demonstrator**  
This demonstration of magnetic repulsion uses a clear acrylic plate that keeps a levitating, spinning axle oriented above magnets built into the base of the apparatus. 2½" x 5" x 3". No batteries required.  
NE30530 – \$8.50



**F. The Remagnetizer™**  
Remagnetizes magnets that have lost their magnetism. Requires no electricity. Aluminum frame, steel base with mounting holes, and 2 permanent neodymium magnets.  
SB22516 – \$77.95



**G. Dowling Alnico Bar Magnets**  
Painted red and blue. 3".  
SB49700 – \$14.95



**H. Dowling Ceramic Magnets**  
Set of 2; 2" x 1" x ¾" each.  
SB33558 – \$6.95



**I. Dowling Magnet Bars**  
Learn about magnetic polarity. Pair of red and blue magnet bars. Ceramic. 3" each.  
SB39411 – \$7.99



**J. Dowling Block Set Magnets**  
Plastic-encased magnets. Set of 12; 2" x 1" x ½" each.  
SB45570 – \$15.99



**K. Dowling Magnet Bars**  
South pole in blue. North pole in red. Pair; 7" x ¾" x ¼" each.  
SB26074 – \$19.99

STUDENTS  
WON'T BE ABLE  
TO RESIST  
exploring magnetic forces

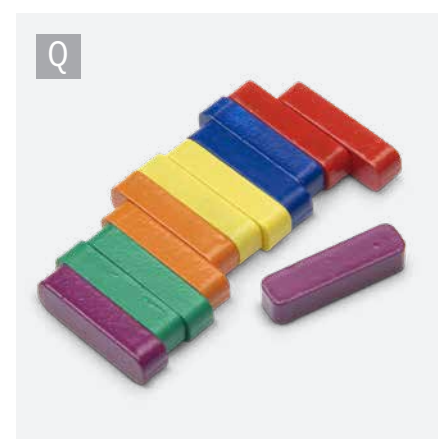


**L. Pair of Dowling Magnet Bars**  
South pole in white. North pole in red. Pair; 4½" x ½" each.  
SB47138 – \$27.99



**M. Alnico Bar Magnets**  
Powerful, painted magnets demonstrate magnetic properties and magnetic fields. Poles are marked.

Product No.	Size	Per Pair
SB26083	¼" x ½" x 1½"	\$7.95
SB14309	¼" x ½" x 2"	\$10.50
SB26084	¼" x ½" x 2½"	\$10.95



**N. Chrome Bar Magnets**  
Two-plated chrome alloy magnets with marked poles. 6" x ¾" x ¼" thick. Pair.  
SB15358 – \$22.50

**Dowling Ceramic Magnets Classroom Packs**  
Sets of 12 permanent magnets in 6 colors.  
⚠ CHOKING HAZARD (I). Not for under 3 yrs.

**O. Ring Magnets.** 1⅞".  
SB16501 – \$10.95

**P. Latch Magnets.** ¾" x 1".  
SB16502 – \$6.95

**Q. Block Magnets.** ¼" x ¾".  
SB16503 – \$4.65



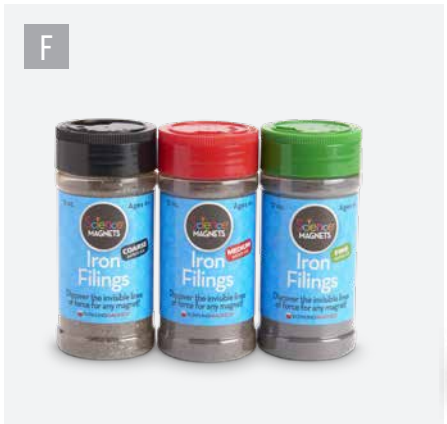
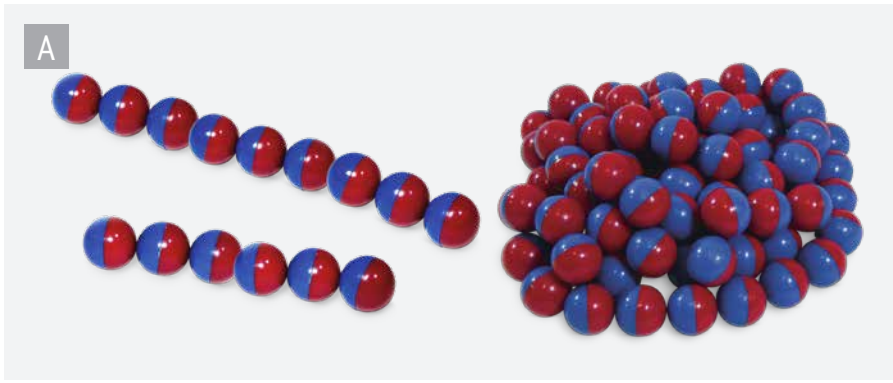
**R. Magnetic Putty**  
Moldable putty takes on properties of a magnet when placed in close contact with included magnet. Made with micron-sized iron-based particles distributed throughout. Teacher's guide included. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.  
SB50318 – \$11.75

**S. Horseshoe Magnets**  
Strong steel magnets. North and South poles marked. Includes keeper.

Product No.	Size	Each
SB16070	3" (7.5 cm)	\$4.15
SB16071	6" (15 cm)	\$5.95







**DISCOVER THE POWER of magnets in motion**

**A. North/South Magnet Marbles**  
Color-coding helps show how magnetic attraction and repulsion cause motion. 5/8" dia. each. **SB52998** Set of 100 — \$34.99

**B. Magnetic Field Demonstration Plate**  
Transparent plate is comprised of a matrix of small circular chambers. Each chamber contains an iron rod and functions independently as a plotting compass. 9 13/16" x 9 13/16". **SB48222** — \$36.95

**C. Iron Filings Set**  
Set of 5 plastic cases (3" x 2") with enclosed iron filings. Works best with alnico or neodymium magnet (not included). **SB46840** — \$12.75

**D. Coarse Iron Filings**  
Shaker dispenses filings without waste. 1 lb. **S06119** — \$6.95

**E. Fine Iron Filings**  
1.2-oz. tube. **SB50151** — \$4.95

**F. Iron Filings**  
Get 3 different results in magnetism experiments. Includes one 12 oz. jar of each: fine, medium, and coarse. **SB53391** — \$14.99

**G. Alnico Magnet Set**  
Includes 2 bar magnets (3/8" x 9/16" x 3/8"), small horseshoe magnet (5/16" W x 1" H), and large horseshoe magnet (9/16" W x 1 3/8" H). **SB44472** — \$42.95

Keep exploring at [nascoeducation.com](http://nascoeducation.com)

**BEST SELLER**

Materials for 5 students or 5 groups

**Dowling Classroom Attractions Magnet Sets**  
Provides all needed tools for an effective and creative magnetism unit. For 5 students.

**Level 1 Magnet Set.** 10 magnet wands, button magnets, magnet marbles, ring magnets, magnetic counting chips, colorful paper clips, and pencils. **SB32808** — \$89.99

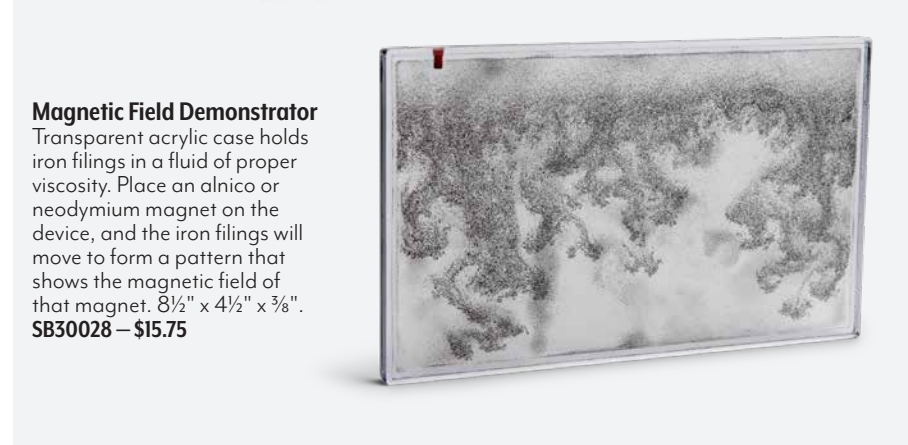
**Level 2 Magnet Set.** 5 magnet wands, ring magnets, north/south bar magnets, domino-shaped magnets, ceramic horseshoes magnets, compasses, polished steel shapes, and pencils. **SB29805** — \$84.99

**Level 3 Magnet Set.** 5 alnico bar and 5 alnico horseshoe magnets, 10 ceramic block magnets, 15 latch magnets, 10 disc magnets, 5 lodestones, 5 flexible magnets, 5 pieces of magnetic viewing film, 5 sets of iron filings, 5 compasses, 5 corks, 5 dowels, 5 nails, and demo bar magnet. **SB32810** — \$129.99

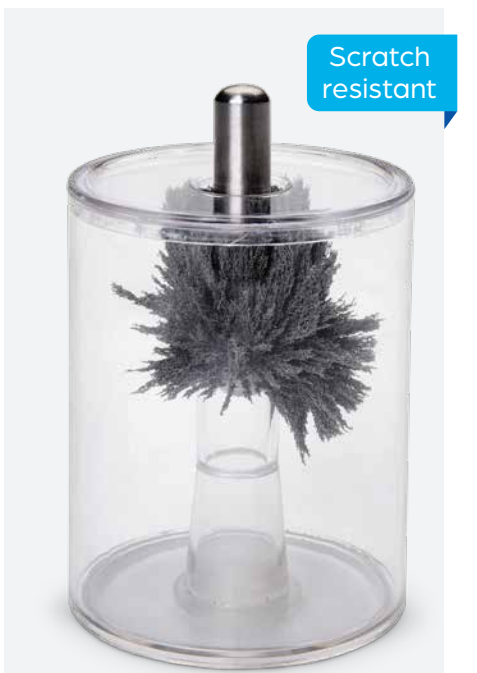
**Magnetic Wand Classroom Pack.** Pack of 12 ceramic magnetic wands (2 each of 6 colors). **SB16505** — \$25.99



**Magnet Levitation Kit**  
Experiment with equilibrium, gravity, and magnetic fields while building a levitating train. Builds 5 magnetism experiments and 5 magnet levitation projects. Aligned with NGSS. **SB52994** — \$39.99



**Magnetic Field Demonstrator**  
Transparent acrylic case holds iron filings in a fluid of proper viscosity. Place an alnico or neodymium magnet on the device, and the iron filings will move to form a pattern that shows the magnetic field of that magnet. 8 1/2" x 4 1/2" x 3/8". **SB30028** — \$15.75



**Mysterious Magnet Tube**  
Explore 3-D patterns created by magnetic fields. Steel filings are sealed in a container. Includes alnico cow magnet and activity booklet. **SB52997** — \$24.99



## STEM

Many of the world's future careers will be based around STEM concepts. Prepare students now with engaging kits, games, and activities that cultivate 21st century skills. You'll create a true hands-on learning experience that will help students discover, explore, and soar!

Coding & Robotics 140-149  
Circuitry 150-157  
Engineering 158-169  
Makerspace 170-175

**Matatalab Hands-On Coding**

**Gr. PreK-4** Screenless, words-free robot helps students learn how to code. Image recognition technology allows the command tower to recognize tangible coding blocks in front of the device and execute the program. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.

**Classroom Set.** Includes Coding Set, Musician Add-On, Artist Add-On, and 4 curriculum guides.

EL16879 – \$1,499.00

**Coding Set Plus Add-Ons.** Includes Coding Set, Musician Add-On, and Artist Add-On.  
EL16832 – \$239.00

**Coding Set.** Includes robot car, command tower, control board, 37 coding blocks, 8 obstacles, 3 flags, 3 challenge booklets, and nature map.  
EL16528 – \$169.00

**Code & Go™ Robot Mouse Classroom Set**

**Gr. PreK-4** Comes with everything students need to help them master hands-on coding skills. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.

EL16381 – \$215.00

**Robot Mouse Set.** 16 pieces to create a 20" x 20" maze board.  
EL13708 – \$59.95

## DEVELOP A STRONG FOUNDATION

with coding concepts students can build on

**Thames & Kosmos Gravity Bugs™ Free-Climbing MicroBot**

**Gr. 3-9** Build a mighty robotic bug that defies gravity to crawl up, down, and all around windows. This hands-on construction kit shows students the power of air pressure and brings engineering and physics to life. Includes 78 pieces and an 8-page guide. Requires 1 "AAA" battery. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.  
NE30275 – \$24.95

NEW

**Thames and Kosmos® Hero: Sound Sensing Robot**

**Gr. 5-8** Hero can locate students, follow them around, be remotely controlled by sound commands, and even play tug-of-war — all by sensing sounds. Includes movable arms that can disappear into his body and an illuminated eye for making facial expressions. 52-page manual.  
NE30504 – \$64.95

**Thames & Kosmos Huey: The Line-Tracking, Color-Sensing Robot**

**Gr. K-4** Start students off on their coding journey with Huey, a fun, color-sensing robot pal. This kit offers a hands-on, screen-free introduction to the world of robotics and coding. Includes 115 pieces, instruction manual, and challenge book. Requires 3 "AAA" batteries. No computer, tablet, or smartphone needed to operate. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.  
NE30278 – \$59.95

**Botley™ the Coding Robot**

**Gr. K+** Introduce coding fundamentals without the need for a screen. Pairs hands-on coding challenges with advanced collision detection, looping commands, and If/Then programming logic. Program up to 80 steps, or turn on black-line-following mode and draw a path for the robot to travel. No smartphone or tablet required. Features object detection sensor, enhanced wheels for multi-surface use, robo-gear for moving blocks and objects, and LEDs to show direction of each step. Includes remote programmer for easy coding input. 77-piece set includes programmable robot, mats, interactive obstacles, blocks, and more. ⚠ CHOKING HAZARD (I). Not for under 3 yrs.  
EL16206 – \$74.95





**BEST  
SELLER**



EXCLUDED FROM DISCOUNTS

**Wonder Workshop Dash Robot**

**Gr. K-6** Bring to life the creativity and critical thinking of coding. Dash is a responsive, Bluetooth-enabled robot that connects quickly and easily to Apple iOS, Android, and Kindle mobile devices. Multiple built-in motors, sensors, LEDs, and audio capabilities allow Dash to interact with students, the environment, and other Dash robots. Program Dash to react to the sound of a clap, perform a victory dance, detect and avoid obstacles, and more. Apps for every age group, learning style, and play pattern are available to introduce students to programming. More coding elements are added as students gain more experience and familiarity. See device requirements below.  
**ELI3675 – \$179.99**



EXCLUDED FROM DISCOUNTS

**Wonder Workshop Sketch Kit**

Attach to Dash or Cue to draw geometric shapes, patterns, words, and more. Includes marker attachment, 6 custom dry-erase markers (1 each of red, blue, green, orange, purple, and black), and 6 project cards. **ELI6386 – \$39.99**



EXCLUDED FROM DISCOUNTS

**Wonder Workshop Dash Robot Launcher**

**Gr. K-6** Transform your Dash robot into a projectile-launching machine! Includes launcher, 3 projectiles, and 6 stacking targets. **ELI3759 – \$29.99**

**Gripper Building Kit for Dash and Cue Robots**  
**Gr. 2+** Expand Dash and Cue robots' capabilities with this easy-to-construct set of functioning arms. Simulate real-world object detection and manipulation using robots' sensors and motors through code or manual remote control. Arms lift, carry, pull, pick up, and place a variety of lightweight objects. Includes 76-piece construction set, 3 building brick connectors, plastic ball, foam number cube, Building Instruction booklet, Quick Start/Solution Guide, and 8 double-sided activity cards (4 for Dash™ and 4 for Cue™). **ELI6609 – \$39.99**



EXCLUDED FROM DISCOUNTS

**Device compatibility:** Apple iPad or iPhone with iOS 11+; Android phone or tablet with Android 6+ and Bluetooth LE; Kindle Fire 2015 and newer; Chrome Browser on Mac, PC, or Chromebook with Bluetooth LE.



Botley™ the Coding Robot found on p. 141

**Beginning Coding Kit**

**Gr. PreK-3** There are so many screen-free ways to introduce coding concepts to students and this convenient bundle has them all! You'll get a 64-qt. clear storage tote to hold the following five coding activity sets (details for each below):  
• 1 Botley the Coding Robot Activity Set (p. 259)  
• 3 Coding Critters Play Sets (Ranger and Zip, Scamper and Sneaker, and Rumble and Bumble),  
• 1 Let's Go Code! Activity Set  
**NE30326 – \$274.95**



ELI6728



ELI6729



ELI6730

**Coding Critters Play Sets**

**Gr. PreK+** Interactive coding friends introduce preschoolers to critical thinking, problem solving, and other STEAM skills with the help of fun play sets, 20-page storybook with coding adventures, 2 lively characters, and 2 interactive modes filled with sound, motion, and music. 15 pieces each. **ELI6728** Ranger and Zip **ELI6729** Scamper and Sneaker **ELI6730** Rumble and Bumble Each – \$42.95

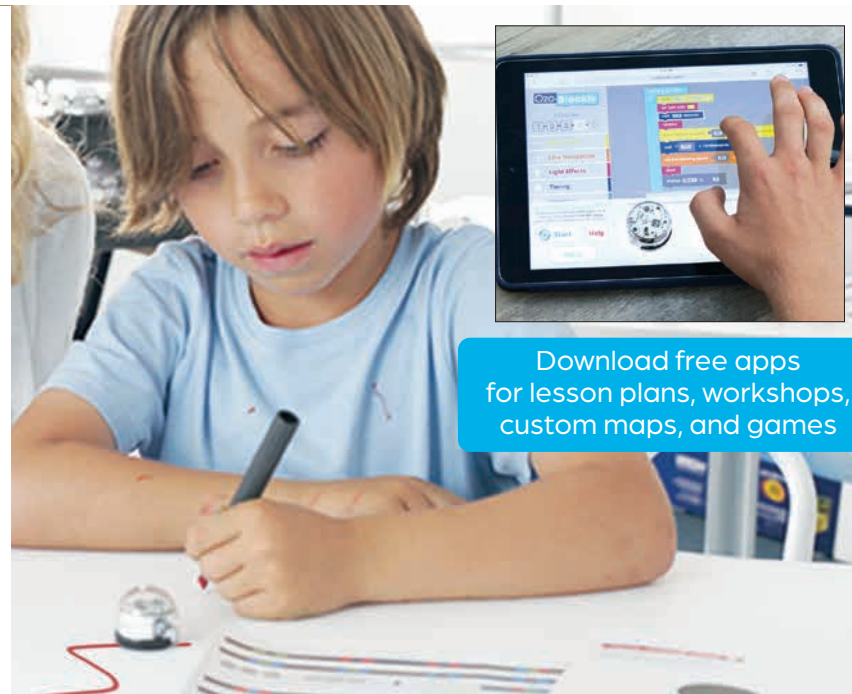


**Let's Go Code!™ Activity Set**  
**Gr. K+** Includes 20 foam maze mats (9½" x 9½"), 20 double-sided coding cards, 10 die-cut pieces, and guide. **ELI5376 – \$39.95**



## Ozobots – Tiny robots, big learning

These award-winning robots engage students of all ages. Introduce them to coding with screen-free color-coded programming and then graduate to simple block programming with color-coded apps. Free online curriculum offers limitless cross-curricular projects and extensions.



Download free apps for lesson plans, workshops, custom maps, and games



**BEST SELLER**

EXCLUDED FROM DISCOUNTS

NA10449

### Ozobot Evo Robot Classroom Kits

**Gr. K+** Students can code Evo two different ways: screen-free with Color Code markers and online with OzoBlockly visual programming. Features including proximity sensors, expressive sounds, LED lights, and Bluetooth® LE. Kits include Ozobot Evo robots, marker sets, a charging and storage base, a storage bin, and an instructional poster. You'll also get an Ozobot Classroom license code for access to teacher training, hundreds of STEAM lessons, and real-time information about your students' online and offline activity. **CHOKING HAZARD (1).** Not for under 3 yrs.

**NA10449 12 Pack – \$2,050.00**

**NA10450 18 Pack – \$2,990.00**

### Washable Markers for Evo and Bit

Use to draw paths for Ozobot to traverse, control its behavior, and make it do cool moves. Includes 1 blue, 1 green, 1 red, and 2 black markers. Washable and nontoxic.

**NE30369 – \$8.00**



EXCLUDED FROM DISCOUNTS



**NEW**

EXCLUDED FROM DISCOUNTS

### Ozobot Crawler

**Gr. 3+** Set includes 6 ready-to-assemble kits that build into bug-like devices in which Evo sits. Students are challenged to engage in the mechanical processes that are created between Evo and its new legs using Ozobot Blockly programs or Evo App drive control. Ozobot Evo required (sold separately). **CHOKING HAZARD (1).** Not for under 3 yrs.

**NE30494 – \$30.00**

### Ozobot Evo Educator Entry Kit

**Gr. K+** Pocket-sized robot can see colors, follow lines and mazes, detect intersections on paper and screens and be programmed to move. Scalable platform supports simple to complete coding. Lessons teach how to code online with OzoBlockly and screen-free with Color Codes. Includes Ozobot Evo robot, 4 Color Code markers, Get Started Activities protective case, and charging cable. **CHOKING HAZARD (1).** Not for under 3 yrs.

**NE30106 – \$175.00**



EXCLUDED FROM DISCOUNTS

## DISCOVER NEW OZOBOT STEAM KITS

Ready-to-go NGSS-aligned activities encourage problem-solving, critical thinking, and collaboration through real-world applications



EXCLUDED FROM DISCOUNTS

### Ozobot STEAM Kit: OzoGoes to the Solar System

**Gr. 3+** Explore the wonders of the solar system! Designed to supplement classroom learning, this ready-to-go kit engages an individual learner or a group of up to 4 students in a hands-on project. Included NGSS-aligned activities support learning with and without an Ozobot Evo robot (not included).

**NE30370 – \$40.00**



EXCLUDED FROM DISCOUNTS

### Ozobot STEAM Kit: OzoGoes to the Sun, Earth & Moon

**Gr. 3+** Learn how the sun and moon affect phenomena on Earth. Designed to supplement classroom learning, this ready-to-go kit engages an individual learner or a group of up to 4 students in a hands-on project. Included NGSS-aligned activities support learning with and without an Ozobot Evo robot (not included).

**NE30371 – \$30.00**



EXCLUDED FROM DISCOUNTS

### Ozobot STEAM Kit: OzoGoes on a Seesaw

**Gr. 3+** Teach students about leverage and simple machines. Designed to supplement classroom learning, this ready-to-go kit engages an individual learner or a group of up to 4 students in a hands-on project. Included NGSS-aligned activities support learning with and without an Ozobot Evo robot (not included).

**NE30373 – \$30.00**



EXCLUDED FROM DISCOUNTS

### Ozobot® Color Code Magnets: Base Kit

**PreK+** Includes 36 puzzle pieces that pair with the Evo robot. Easy-to-manipulate magnets are perfect for learning the foundational concepts of coding and experimenting with sequencing, logic, and problem-solving. **Note:** This product does not include an Evo robot. **CHOKING HAZARD (1).** Not for under 3 yrs.

**NE30566 – \$30.00**



**NEW**

EXCLUDED FROM DISCOUNTS

### Ozobot® Color Code Magnets Speed Kit

**PreK+** Includes 18 puzzle pieces that pair with the Color Code Magnets: Base Kit and an Evo robot to introduce coding concepts. Features additional speed color codes for expanded learning opportunities. **Note:** This product is an add-on to the Base Kit. Neither kit includes an Evo robot. **CHOKING HAZARD (1).** Not for under 3 yrs.

**NE30567 – \$10.00**



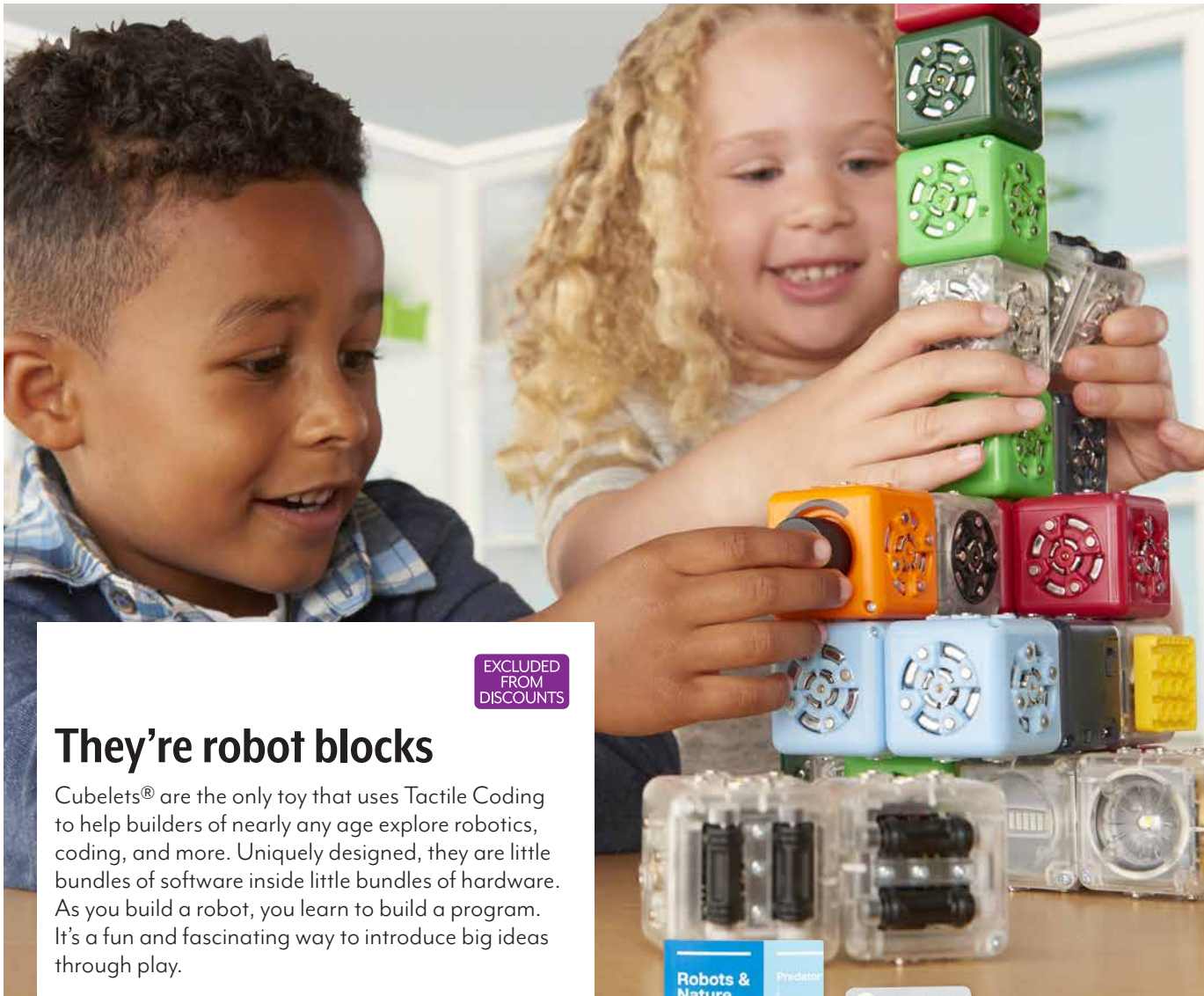
EXCLUDED FROM DISCOUNTS

### Ozobot® Color Code Magnets: Special Moves Kit

**PreK+** Includes 18 puzzle pieces that pair with the Color Code Magnets: Base Kit and an Evo robot to introduce coding. Features additional special moves color codes for expanded learning opportunities. **Note:** This product is an add-on to the Base Kit. Neither kit includes an Evo robot. **CHOKING HAZARD (1).** Not for under 3 yrs.

**NE30568 – \$10.00**





EXCLUDED FROM DISCOUNTS

## They're robot blocks

Cubelets® are the only toy that uses Tactile Coding to help builders of nearly any age explore robotics, coding, and more. Uniquely designed, they are little bundles of software inside little bundles of hardware. As you build a robot, you learn to build a program. It's a fun and fascinating way to introduce big ideas through play.

### Cubelets®

Introduce robotics, coding, and design thinking as they create simple, mobile, and reactive robots by combining sense, action, and think blocks. Blocks automatically route power and data where needed.

**Cubelets® Motivated Makers Pack.** Includes 52 cubes, 24 brick adapters, 5-port charger, 5 charging cables, and 1 storage tub. For 6 groups. **SB52239 – \$2,029.00**

**Cubelets® Boundless Builder Pack.** Includes 19 Cubelets®, 4 brick adapters, charging cable, and storage tub. **SB53142 – \$699.00**

**Cubelets® Classroom Bundles.** Includes Lessons & Resources book with standards-aligned lessons, best practices, classroom management tips, and blackline masters. Also includes Cubelets® activity card set, sheet of Cubelets® magnets, and 18" x 24" poster. **SB53304 Gr. 1–3**

**SB53305 Gr. 4–6**

**SB53306 Gr. 7–12**

**Each – \$199.00**

**Cubelets® Clever Constructors Pack.** The most popular size and configuration for classroom educators. Supports 6 groups of 3–5 students each (up to 30 students). Includes 78 Cubelets; 12 Brick Adapters; charger and charging cables; padded storage container; and access to free standards-aligned lesson plans, printable activity cards, online PD, and more. **NE30480 – \$2,899.00**



SB53304

**Cubelets® Intrepid Inventors Pack.** Perfect for makerspaces, libraries, or classrooms. Supports 6 or 12 groups of 3–5 students each (up to 30 students). Includes 156 Cubelets; 48 Brick Adapters; chargers and charging cables; 2 padded storage containers; and access to free standards-aligned lesson plans, printable activity cards, online PD, and more. **NE30481 – \$5,779.00**

## CRACK THE CODE

with robots students can learn to program and control



**Thames & Kosmos® KAI: The Artificial Intelligence Robot**  
**Gr. 5+** Build and program an intelligent, six-legged, app-enabled robot that “learns” from your physical gestures and sounds. KAI can also be controlled remotely through the app and show different expressions and scrolling messages. Full-color, 64-page manual provides step-by-step illustrated assembly and programming instructions and teaches lessons in AI and robotics. App requires iOS or Android device. **NE30399 – \$99.95**



**Thames and Kosmos® Bionic Robotic Arm**  
**Gr. 5–12** Assemble this segmented arm from almost 300 pieces to learn about biomimicry. The innovative system is controlled by joysticks that pull and release nylon cables, enabling precise movements. 56-page manual guides experimentation and provides scientific information about how robotic arms work, as well as real-world examples. **NE30503 – \$54.95**



**Thames & Kosmos Robotics: Smart Machines – Tracks & Treads**  
**Gr. 3–9** Students will have everything needed to build 8 robots that use continuous tracks, also known as tank treads, to move. In addition to constructing the models, they'll learn how to use the included visual programming app to code. Includes 197 pieces and 60-page guide. Models require 3 “AA” batteries. Tablet or smartphone required to use programming app (available for iOS and Android). **NE30280 – \$139.95**



**Thames & Kosmos Robotics: Smart Machines – Sidekick**  
**Gr. 3–9** Give students an amazing robotic buddy to build and control. Sidekick has two modes: 4-wheeled rover or 2-wheeled robot. It can be programmed from a built-in keypad or included app. Includes 129 pieces and 36-page guide. Requires 4 “AA” batteries. Tablet or smartphone required to use Sidekick app (available for iOS and Android). Not for sale in Canada. **NE30283 – \$69.95**





**BEST SELLER**

**EZ-Robot Revolution Robots**

Each robot has a compact, intelligent, powerful brain that enables it to walk, talk, learn, interact, and play. Comes equipped with a camera that enables the robot to interact with objects, colors, faces, motion, glyphs, and QR codes. EZ-Builder software controls, programs, and shares the robot's behaviors, configurations, and personalities. A simple drag-and-drop interface allows you to even make your own apps for your iOS® or Android device.

**Wi-Fi® and assembly required.**

**BEST SELLER**

**Edison V3 Robot**  
**Gr. PreK-12** Programmable robot designed to be a complete STEM teaching resource for coding and robotics education. Durable, no loose parts to manage, rechargeable, compact, and easy to store. Works right out of the box, fully pre-built with all sensors ready to use. No software to install or manage, making it easy to use Edison with different devices and platforms, including laptops, Chromebooks, and tablets. Edison lessons and teacher guides are free to download. Each Edison V3 robot comes with an internal rechargeable battery and attached USB cable for programming and charging. Charge up to 5 robots at once with the optional EdCharger. **CHOKING HAZARD (1).** Not for under 3 yrs.

- NE30497** Single Robot — \$55.00
- \*NE30498** 10 Robots — \$419.00
- \*NE30499** EdCharger — \$39.00

**\*EXCLUDED FROM DISCOUNTS**



**NEW**



**EXCLUDED FROM DISCOUNTS**



**NEW**

**Teach Tech™ Mech-5 Mechanical Coding Robot**  
**Gr. 4-8** This build-it-yourself robot offers innovative screenless coding. Just snap coding buttons onto the mechanical coding wheel and place it into the robot to initiate movements such as forward, backward, turn, or pause. 220+ parts. Requires 2 AAA batteries (not included). **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NE30490 — \$45.95**



**NEW**

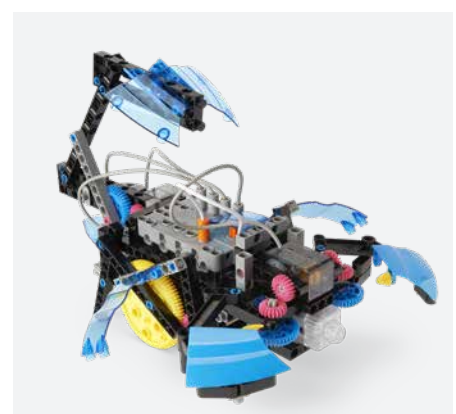
**Teach Tech™ SolarBot.14**  
**Gr. 4-8** Construct 14 different solar-powered robots that operate on land and water. After assembling a model, students can easily reassemble the components into different models. 250+ parts. No batteries required. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NE30491 — \$38.95**

**EXCLUDED FROM DISCOUNTS**

**Makeblock mBot**  
**Gr. 6+** Hands-on experience in programming, electronics, and robotics. Block-based programming software enables students to drag and drop command blocks to control their mBot. Students can use 3 preset controls or write new code through the mBlock app. Connects to smartphones, tablets, and computers via Bluetooth®. Compatible with other Makeblock platforms and LEGO® blocks. Add-on packs require an mBot (not included).

**mBot Ranger Robot Kit.** Students can use 3 preset forms or build their own robotic designs. 10 extension interfaces, 12 electronic modules, and 6 sensors. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NAI0356 — \$205.00**

**mBot-S Explorer Kit.** Includes mBot and LED matrix. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NAI0350 — \$90.00**



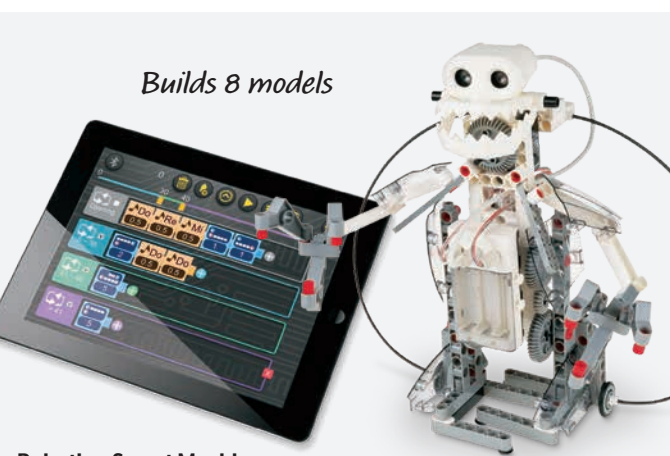
**Robotics Workshop**  
**Gr. 4-6** Use sensors, motors, a core controller, and hundreds of snap-together pieces to construct 12 different robots. Control creations wirelessly with an app on tablets and smartphones. Includes 96-page manual.  
**EL14873 — \$249.95**



**Teach Tech™ HydroBot Arm Kit**  
**Gr. 7+** Use levers and the power of hydraulics to command the multi-axis robotic arm to move, grip, and lift items up to 50 grams. Clear, graphic instructions make assembly and operation easy. Includes over 230 parts. No batteries required. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NE30492 — \$65.95**

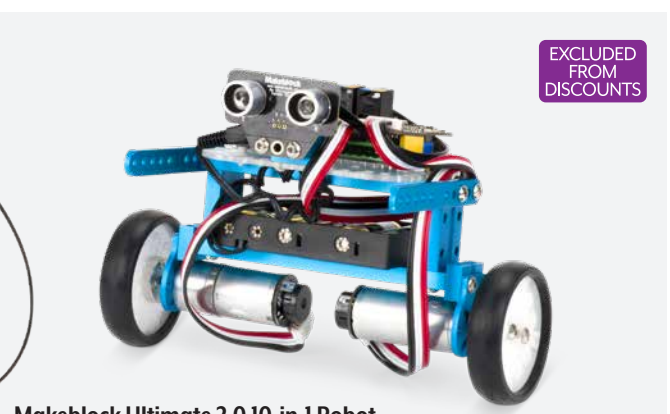


**Teach Tech™ Zivko the Robot**  
**Gr. 4+** This intelligent hexipod robot is ready to introduce students to artificial intelligence (AI) technology. Zivko has two function modes: Follow or Explore. Includes over 100 parts. Requires 4 AAA batteries (sold separately). **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NE30493 — \$53.95**



**Builds 8 models**

**Robotics: Smart Machines**  
**Gr. 5+** Code programs using an easy, visual programming app on a tablet or smartphone. Requires a tablet or smartphone running iOS® or Android™. iOS® devices must support Bluetooth® 4.0 and must be running iOS® 8.0 or later. Android™ devices must support Bluetooth® 4.0 and be running Android™ 4.4 or later.  
**EL14864 — \$134.95**



**Makeblock Ultimate 2.0 10-in-1 Robot**  
**Gr. 6+** Learn about mechanical design, electronics, and programming. Block-based programming software enables students to drag and drop function blocks to control their robot. Also supports Arduino IDE, NodeJS, and Python programming languages. Compatible with Arduino and Raspberry Pi. Over 160 mechanical parts and 80 types of electronic modules. Assembly guides for 10 designs serve as springboards for new creations. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NAI0357 — \$400.00**

**EXCLUDED FROM DISCOUNTS**



**BEST  
SELLER**



**Paper Circuits Classroom Kit**  
Make LED art and science projects using conductive foil tape. No wires needed.  
**SB51143 – \$110.00**  
**Individual Student Kit**  
**NE30039 – \$10.95**

**Individual Student Large Circuitry Kit**  
**Gr. 3–12** Three weeks of projects and lessons that work either in the classroom or can be sent home for virtual learning. Each kit contains enough materials to create a Bristlebot, Solar Bug (NE30035), LED name badge (NA10419), and several paper circuit projects with additional batteries, roll of Maker Tape™, LEDs, binder clips, self-sticking motor, and online directions in English and Spanish.  
**NE30040 – \$30.95**



**Brown Dog Gadgets LED Paper Name Tag Classroom Set**  
**Gr. 4+** Young makers will love the feeling of accomplishment they get when they create their own colorful light-up “Hello My Name Is” name tag in 10–15 minutes. Includes materials for making 50 name tags.  
**NE30513 – \$70.00**



**Origami Circuit STEM/STEAM Project Kits**  
**Gr. 3–12** Combine the ancient Japanese paper art of origami with the creation of simple electronic circuits to create a hands-on STEM/STEAM lesson. Final projects will move, light up, and blink, combining art design, engineering and basic electronics. Choose from a set of 4 (for individual student or pod learning situations) or 25 (for a whole classroom). Build uses solderless, flexible, durable and conductive pathways with nylon-based Maker Tape™. Kits include origami paper, blinking LEDs, colored LEDs, binder clips, coin batteries, vibrating motors, and Maker Tape™. All final projects are powered at 3V. Directions in English and Spanish and robot template available online.  
**NE30037 Set of 4 – \$27.00**      **NE30038 Set of 25 – \$135.00**



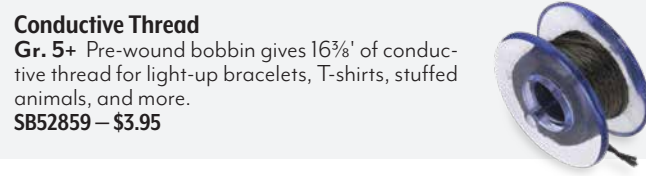
**Solar Bug STEM Project Kits**  
**G. 3–12** Help students explore solar energy, motion, and engineering as sunlight directly powers a vibrating motor to scoot critters along. Use as a stand-alone STEM activity or as part of a larger solar energy lesson. Choose from sets of 4 (for individual student or pod learning situations) or 25 (for a whole classroom). Two options for building: Use the included Maker Tape™ to connect the vibrating motor to the solar cell, or use a soldering iron to quickly attach the motor to the solar cell. Hot glue gun and a wire cutter require to complete the 10- to 20-minute project. Online directions in both English and Spanish available.  
**NE30035 Bug Set of 4 – \$25.95**      **NE30036 Bug Set of 25 – \$100.00**



**Bristlebot STEM Project Kits**  
**Gr. 3–12** Students will build a small robot using a toothbrush head and googly eyes that will scurry along a flat surface. Adjust the balance and placement of attachable pipe cleaners to change the way they move and behave with an easy-to-add vibrating motor.  
**NE30031 Set of 4 – \$22.00**  
**SB50347 Set of 10 – \$54.95**  
**NE30032 Set of 25 – \$110.00**

**Conductive Nylon Tape**  
Conductive tape that is much stronger and easier to use than copper foil tape.

Product No.	Length	Width	Each
SB52504	65.6' (20 m)	¼"	\$11.95
SB52505	16.4' (5 m)	⅛"	\$5.95



**Conductive Thread**  
**Gr. 5+** Pre-wound bobbin gives 16¾' of conductive thread for light-up bracelets, T-shirts, stuffed animals, and more.  
**SB52859 – \$3.95**

**Crazy Circuits Coding Kit**  
**Gr. 4+** Explore programming and automation by building and coding with this kit's Arduino-powered Robotics Board and over 20 other sensors and parts, including LEDs, push buttons, a Piezo speaker, and more. Everything is ready to use out of the box — no breadboard or soldering required. Crazy Circuits parts are compatible with LEGO® and other popular brick building systems. Includes instruction cards and access to online curriculums. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**NE30151 – \$110.00**



**Crazy Circuits Classroom Sets**  
Each set includes self-contained project boxes for students, as well as a dedicated teacher supply box. Free online access to curriculum, lesson plans, and student activity packets aligned to state and national standards are included. Each set includes 4 student kits and 1 teacher kit. **CHOKING HAZARD (I).** Not for under 3 yrs.

**Crazy Circuits 101.** Covers simple circuit design, including switches, diodes, batteries, resistors, transistors, and integrated circuits.  
**SB53074 – \$650.00**  
**Crazy Circuits Programming 101.** Uses Arduino programming to read sensor values (distance, temperature, humidity, light), output data through a display, manipulate sound and light outputs, and drive servos.  
**SB53078 – \$1,200.00**



**Crazy Circuits Makerspace Pack**  
Create STEM and STEAM projects with this electronic learning platform. Students will learn how to add motion and programming actions to projects, circuits, and Arduino sketches. Build new projects or use pre-programmed sketches with the Crazy-Touch and Crazy-Duino boards. Create your own light-up project, programming projects, robotics projects, touch-sensitive synthesizers, and more. This non-soldering pack works well with conductive tapes for paper crafts, conductive threads for e-textile sewing, conductive inks and conductive paints for artwork, alligator clips, and paper clips. Also compatible with most electrical components and brick building systems. Also creates programming projects, robotics projects, and more. Includes 186 parts.  
**SB52499 – \$1,100.00**



Visit [nascoeducation.com](http://nascoeducation.com) for full list of components

**Crazy Circuits Starter Kit**  
**Gr. 4–12** Create fun STEM and STEAM projects with this electronic learning platform. This non-soldering starter kit works perfectly with conductive tapes for paper crafts, conductive threads for e-textile sewing, conductive inks and paints for artwork, and even alligator clips or paper clips. Compatible with Lego® and other popular brick building systems. Easily add effects, lights, and switches to your next electronics project. Includes 18 parts and a plastic organizer.  
**SB52497 – \$54.95**



EXCLUDED FROM DISCOUNTS

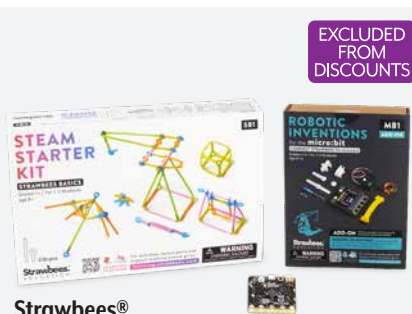




EXCLUDED FROM DISCOUNTS

**Strawbees® Robotic Inventions for micro:bit**

**Gr. 3–9** This add-on kit allows students to snap a micro:bit onto their Strawbees® creations and turn them into robotic, programmable mechanical structures. Kit does not include the micro:bit, USB cable, batteries, or straw connectors. **NE30332 – \$52.50**



EXCLUDED FROM DISCOUNTS

**Strawbees® STEAM Starter Kit With micro:bit**

**Gr. 3–9** Give students more possibilities when exploring robotics in the classroom. This bundle includes supplies that students can add to their robotics toolbox so they have more capabilities to build, program, and play. Includes Strawbees® STEAM Starter Kit, Robotic Inventions for the micro:bit, and BBC micro:bit. **NE30207 – \$113.00**



**Lesson in a Box™ Simple Robotics Curriculum**

A complete set of electronics and teaching resources to enable successful STEM lessons incorporating robotics, coding, and physics with minimal teacher effort. Students learn to code robots that utilize BBC micro:bit and a clippable motor driver board. Includes 10 student sets and one teacher set of electronics, as well as a USB stick drive with lessons and instructions. Required but not included: BBC micro:bit (SB53386, above) and 3 “AA” batteries per robot. **SB53369 – \$605.00**

NEW



**Kitronik ARCADE for micro:bit and MakeCode Arcade**

Handheld gaming platform designed to elevate the functionality of your latest BBC micro:bit — just slot in the included edge connector and you’re ready to go! Write fun and educational games using the Microsoft MakeCode Arcade game editor. Processing power, game storage, and audio feedback are provided by the micro:bit (not included). Arcade uses 3 AA batteries. Croc-clippable connections for extras. Full color, 1.77" LCD screen. 7 fully programmable buttons. **NE30610 – \$38.00**



**Crazy Circuits Bit Board Kits for micro:bit Handheld Computer**

**Gr. 2–12** Now students can combine the micro:bit computer (SB53386, at right) and building bricks together to create all sorts of amazing projects. The Bit Board snaps onto any building brick-compatible component and students can connect other Crazy Circuits brand components with the included Maker Tape. Use a ribbon cable to connect sensors, or directly plug a servo into the Bit Board. Use the built-in relay to control DC motors and devices.

You and your students will appreciate the graphic way of working and programming with microcontrollers that the micro:bit allows.

**Two options available.** Choose the **Complete Kit** to get push buttons, speakers, potentiometer, slide switch and more. Or order the **Basic Kit** for board, connector, USB cable, and Maker Tape.

**Complete Kit includes:**

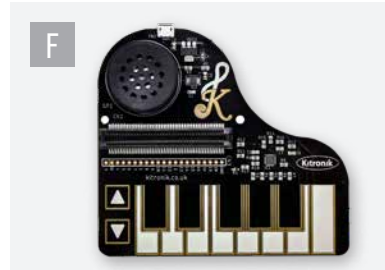
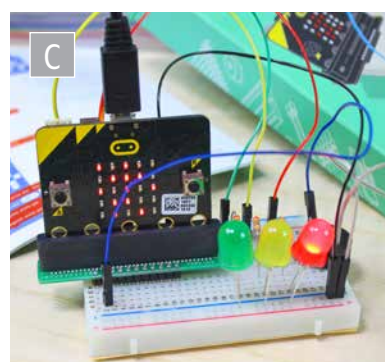
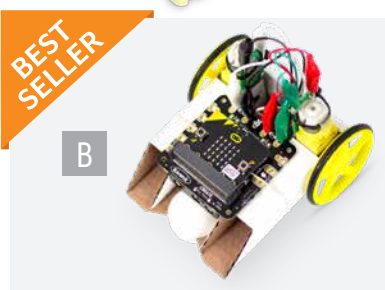
- Crazy Circuits Bit Board
- Right-angled micro USB cable
- 16" L x 1/8" W roll of Maker Tape
- 2 “AAA” battery holder with JST connector
- 2 Crazy Circuits jumbo push buttons
- 4 Crazy Circuits jumbo LEDs
- Crazy Circuits NeoPixel
- Crazy Circuits Potentiometer
- Crazy Circuits Piezo speaker
- Crazy Circuits slide switch
- LEGO®-compatible servo with connector
- LEGO® base plate
- 5 alligator clips
- Guide cards
- Plastic organizer

**NE30101 – \$110.00**

**Basic Kit includes:**

- Crazy Circuits Bit Board
- Right-angled micro USB cable
- 16" L x 1/8" W roll of Maker Tape
- 2 “AAA” battery holder with JST connector

**NE30102 – \$30.95**



**BBC micro:bit**

**Gr. 2+** A powerful handheld, fully programmable computer. Students write code using one of the easy-to-use editors on microbit.org, connect micro:bit to a computer via USB, then press the compile button in the editor to drop the downloaded file directly onto the device. Features on-board accelerometer and compass sensors, Bluetooth® Low Energy and USB connectivity, 25-LED display, 21 pin edge connector, and 2 programmable buttons. Also has an app for Android™ devices. **NE30213 – \$47.00**

**A. BBC micro:bit**

Four assorted colors (no color choice). **SB53386 – \$30.00**

**BBC micro:bit Starter Kit**

Contains everything needed to connect BBC micro:bit to a computer and to power it once disconnected from the computer. Includes BBC micro:bit, 39 3/8" USB cable, battery cage, and 2 “AAA” batteries. **SB53378 – \$40.00**

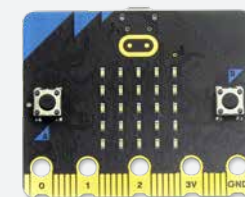
**B. Simple Robotics Kit for BBC micro:bit**

**Gr. 6–10** Students will build an entry level, easy build robot that requires no soldering. From its customizable, one-piece cardboard chassis to its clip lead connections, everything goes together easily to build a robot. Kit includes a motor driver for BBC micro:bit, wheels and tires, clip leads, right angle geared hobby motor, solderless TT motor adapter board, ping pong ball, rubber band, cardboard chassis, and instructions. The BBC micro:bit (SB53386, above) is not included. **NE30215 – \$17.00**

**C. Discovery Kit for BBC micro:bit**

**Gr. 6–8** Get students started with coding and electronics. This kit has five experiments and everything needed to complete them. Each experiment has a complete code walk-through, a circuit diagram and a top-down breadboard view, full explanations, and descriptions of how the electronics work. Kit includes a breadboard breakout, small prototype breadboard, LED lights, resistors, buzzer, jumper wires, and a tutorial booklet. The BBC micro:bit (SB53386, above) is not included. **NE30215 – \$17.00**

NEW



**Kitronik micro:bit V2 Go Pack**

BBC micro:bit with USB cable, batteries, and holder. Features USB, radio, serial, and Bluetooth Low Energy connectivity and a fully programmable 25 LED display. **NE30611 – \$32.00**

**Inventor's Kit for BBC micro:bit**

Offers an introduction to the world of physical computing. Experiments showcase how code and electronics can combine to create practical solutions to situations and problems. Contains everything needed to complete 10 experiments. Required but not included: BBC micro:bit (SB53386, above), Phillips screwdriver, terminal block screwdriver, and micro USB cable (SB53385). **SB53372 – \$32.50**



**D. LAB:bit Educational Platform for BBC micro:bit**

**Gr. 2–5** The LAB:bit is an all-in-one educational platform that introduces coding in the classroom. It's packed full of devices, LEDs, switches, sensors, and other programmable features. It has an edge connector for the micro:bit to slot into. Includes a wheel and a tire along with a battery holder that holds 3 “AA” batteries. The BBC micro:bit (SB53386, above) is not included. Minimal mechanical assembly is required. **NE30214 – \$67.00**

**E. Smart Greenhouse Kit for BBC micro:bit**

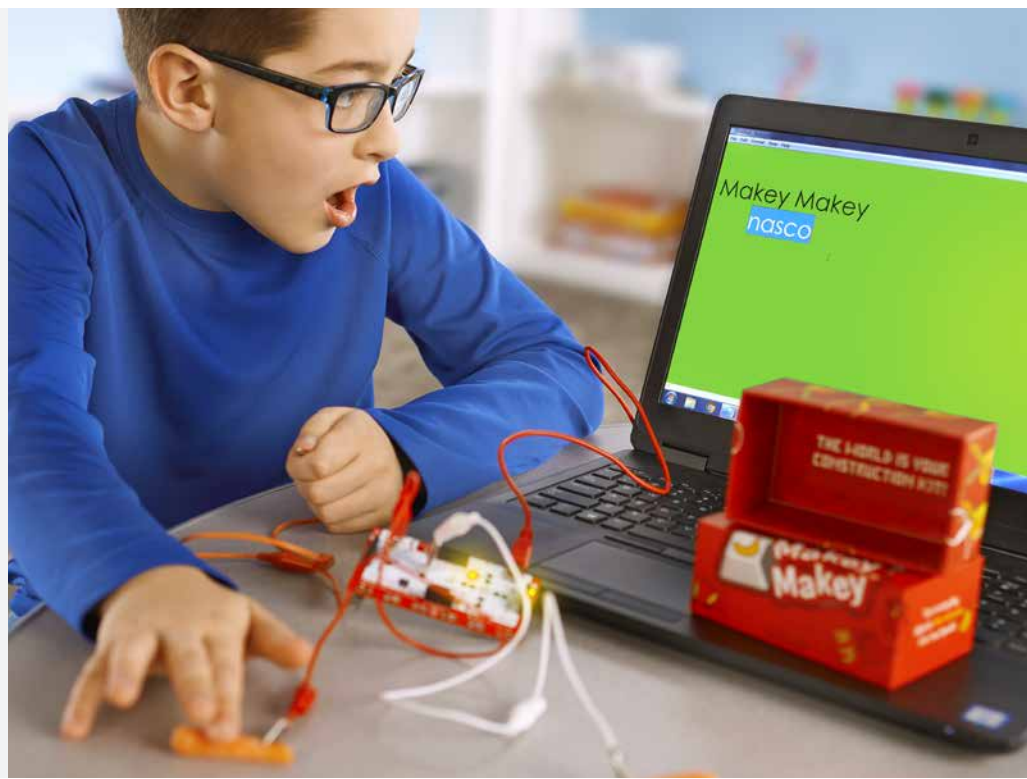
**Gr. 6–10** Grow plants with the smart greenhouse that can be coded to monitor and automatically water plants. Kit includes a two-part plastic greenhouse, environmental control board, water pump, ZIP stick and extension cable, mini prong moisture sensor, 5 crocodile clips, screwdriver, and instruction booklet. The BBC micro:bit (SB53386, at left) is not included. **NE30212 – \$68.00**

**F. :KLEF Piano BBC micro:bit Kit**

**Gr. 2+** Compose a musical masterpiece for the BBC micro:bit. Blend of coding and music composition makes this kit perfect for any coding lesson. Features 15 capacitive touch pads, an onboard amplifier circuit, an onboard speaker, and an onboard edge connector for slotting in the micro:bit. BBC micro:bit (SB53386, at left) and micro USB cable (SB53385) are sold separately. **SB53384 – \$26.00**



**BEST  
SELLER**



**Makey Makey®**  
**Gr. 3+** Connect device to a USB port in lieu of a keyboard or mouse and use included alligator clips and connector wires to connect everyday objects to the device to turn them into touch pads.  
**EL13903 – \$60.95**  
**STEM Pack – Invention Literacy Kit.** Includes 12 Makey Makey® boards, components, and 12 Makey Makey® optimized conductive 6B pencils.   
**\*NZ10370 – \$750.00**

\*EXCLUDED FROM DISCOUNTS



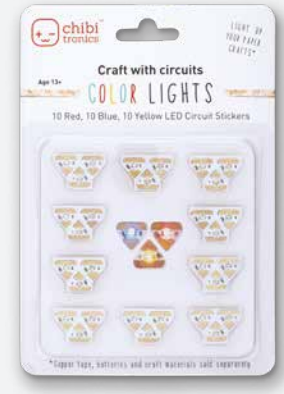
**Circuit Stickers Educator Packs**  
For 30 students; 90 stickers and 90' of copper tape.  
**SB52023** White Circuit Stickers – \$124.95  
**SB53167** Red, Yellow, and Blue Circuit Stickers – \$124.95  
**Starter Kit.** 12 stickers and everything needed to get started with circuit stickers.  
**SB51200 – \$34.95**



**Pre-Mounted Chibi Chip and Clip**  
Makes LED stickers blink and fade. Includes chip, clip, and cable.  
**SB53170 – \$38.95**



**Copper Tape**  
16' roll.  
**SB53173 – \$10.95**



**LED Circuit Stickers Packs**  
LED circuits on peel-and-stick stickers — no soldering, plugging wires, or clips required. Learn to build circuits while making interactive artwork. Contains 10 each of red, yellow, and blue LED circuit stickers.  
**SB53176 – \$34.95**

**Circuit Scribe Circuit Drawing Kits**

EXCLUDED FROM DISCOUNTS

Build circuits using a conductive ink pen, magnetic modules, and regular printer paper. Place the paper on a steel sheet (included in every kit) to make blinking lights, beeping buzzers, and whirling motors. Allow extra delivery time.

⚠ CHOKING HAZARD (1). Not for under 3 yrs.



Components	NZ10371 Intro Classroom Kit	NZ10372 Everything Classroom Kit
Conductive Ink Pens	30	30
9V Battery Adapters with 9V Battery	25	25
USB Adapters	—	5
LEDs	25	50
Switches	25	25
Buzzers	5	25
Multicolored LEDs	5	25
Double Switches	2	25
Motors & Foam Wheels	2	25
Dials	2	25
Blinkers	2	10
Dimmers	—	—
DIY Connectors	—	10
NPN Transistors	2	10
Light Sensors	—	10
Steel Canvases	25	25
Stencils	25	25
Workbook	1	1
Jumper Sticker Set	1	1
Connector Cables	20 (2 packs of 10)	40 (4 packs of 10)
<b>Each</b>	<b>\$1,000.00</b>	<b>\$2,000.00</b>

**Circuit Scribe Conductive Ink Pen**  
Let creativity merge with science as you build circuits using the conductive ink pen, magnetic modules, and regular printer paper. 6¼" x ½" dia. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB53196 – \$8.50**



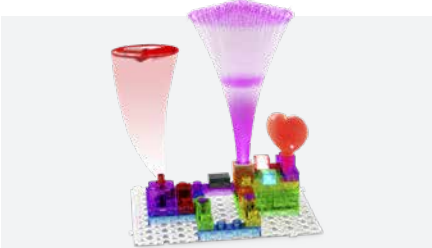
**E-Blox® Sound Machine and Radio Student Set**  
**Gr. 3–5** Use these building blocks for STEM lessons. Includes 49 pieces and an online animated curriculum with teacher guides, lesson plans, quizzes, and quiz answer sheets that cover electricity and circuitry, motors and flying saucers, light, sound, switches, telecommunications and FM radio, and more. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30236 – \$74.99**

More E-Blox® available online

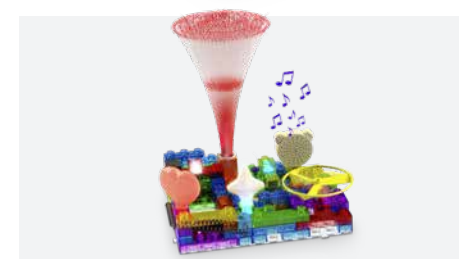
**E-Blox® Lite Blox Student Set**  
**Gr. PreK+** Give students the blocks for building early learning and motor skills through fun and play. Plug the LED Blox into the included power board and watch them light up and change colors. Set includes a battery module, power board, 30 LED Blox, and an online animated curriculum with teacher guides and lesson plans. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30231 – \$39.99**



**E-Blox® Flying Saucer Student Set**  
**Gr. 1–3** These LED building blocks contain electronic components such as a battery module, switches, LEDs, and a motor. Includes 10 pieces and an online animated curriculum with teacher guides, lesson plans, quizzes, and quiz answer sheets that cover electricity and circuitry, light, switches, telecommunications, and more. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30233 – \$24.99**

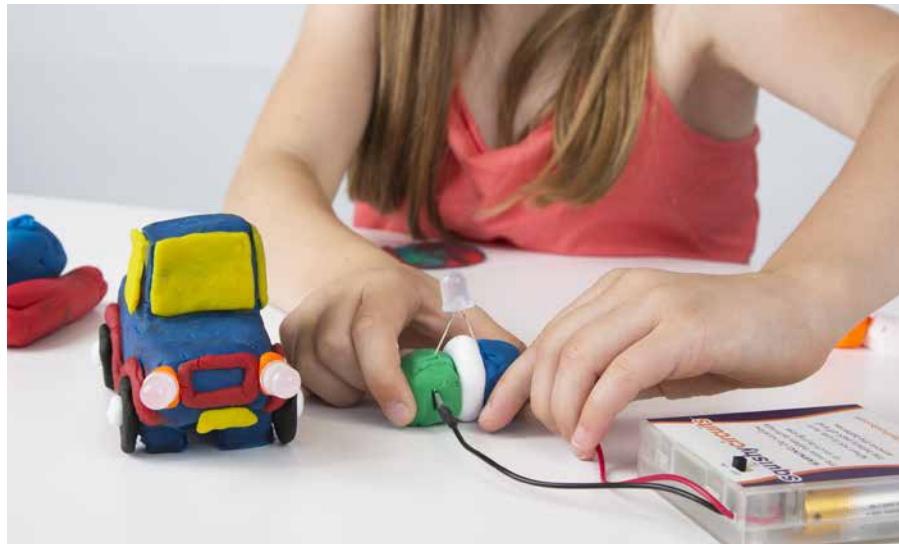


**E-Blox® Fan Launch Light Show Student Set**  
**Gr. 2–4** This set of colorful blocks includes 25 pieces and an online animated curriculum with teacher guides, lesson plans, quizzes, and quiz answer sheets. Electricity and circuitry, light, sound, switches, telecommunications, Morse Code, and more are all covered. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30235 – \$39.99**



**E-Blox® Glowing LED FM Radio Student Set**  
**Gr. 4–6** Cover lessons on electricity and circuitry, motors and flying saucers, light, sound, switches, telecommunications and FM radio, RC circuits, and more with this set of LED blocks. Includes 66 pieces and an online animated curriculum with teacher guides, lesson plans, quizzes, and quiz answer sheets. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30237 – \$99.99**





**Dough Kit**  
Includes 7 containers of conductive dough (7 oz. each) and 7-oz. container of white insulating dough. Conductive dough will dry out if left out of container. Insulating dough does not dry out (below). Contains gluten. Safe and nontoxic.  
**SB52805 – \$20.00**



**Squishy Circuits®**  
**Gr. 3+** Use conductive and insulating play dough to teach the basics of electrical circuits in a fun, hands-on way. No need for breadboards or soldering. Just add batteries and pre-made dough (or make your own dough with recipes provided). Creations come to life as you light them up with LEDs, make noises with buzzers, and spin with the motor.

**A. Group Kit.** 10 battery holders (each holds 4 "AA" batteries, not included), 10 piezoelectric buzzers, 10 switches, 10 motors with propellers, 80 LED (10 each of 8 colors), and carrying case. Purchasing 2 dough kits is recommended.  
⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB52852 – \$275.00**

**B. Lite Kit.** Battery holder (holds 4 "AA" batteries; not included), container of conductive dough (5-oz.), 15 LEDs (10 mm — 5 each of 3 colors), recipe card, and quick start guide.  
⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB52817 – \$15.95**



**C. Deluxe Kit.** Battery holder (holds 4 "AA" batteries, not included), piezoelectric buzzer, mechanical buzzer, motor with fan blades, switch, 40 LEDs (10 mm — 5 each of 8 colors), 5 sculpting tools, rolling pin, 7-oz. container of white insulating dough, 7 containers of conductive dough in 7 colors (each 7 oz.), recipe card, and quick start guide. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB52815 – \$75.95**

**D. Standard Kit.** Battery holder (holds 4 "AA" batteries, not included), piezoelectric buzzer, 25 LEDs (10 mm — 5 each of 5 colors), recipe card, and quick start guide. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB52816 – \$35.00**



**E. White Insulating Dough**  
Won't dry out if left in open air. 7 oz.  
**SB52806 – \$6.00**

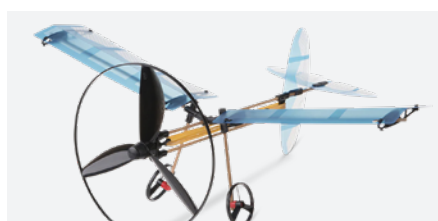
Build your wish list and email it at [nascoeducation.com](http://nascoeducation.com)



**Nasco Classroom Olympiad Part 2**  
**Gr. 3–8** Keep the spirit of Olympic competition alive as your students learn the scientific method and cooperative learning skills. The 9 events include sailing, fettuccine physics, estimation guesstimation, shadow box, air cannon, marble trampoline, balloon bomber, pencil pendulum, and battery-powered car. ⚠ CHOKING HAZARD (1, 2). Not for under 3 yrs.  
**SB42632 – \$270.00**



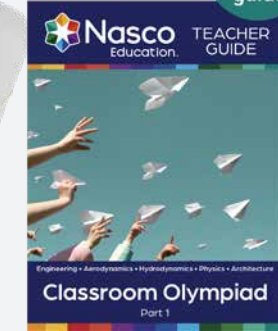
**Mousetrap Dragster Kit**  
Students experience exciting involvement with technology problem solving, the physics of energy transference, aerodynamics, thrust, vector, and friction. Glue required (not included). Set of 5 kits.  
**SB26052 – \$37.95**



**Thames & Kosmos Rubber Band Racers**  
**Gr. 2+** Build 5 vehicles using ultralight plastic and bamboo parts. Learn how rubber bands store energy and release it to move the models.  
**EL15549 – \$21.95**



**Heavy-Duty Alkaline Batteries**  
Size "D" batteries ideal for general lab work. Super cells provide up to twice the life of ordinary general-purpose cells. Pkg. of 2.  
**SB08606 – \$2.25**



Includes digital guide

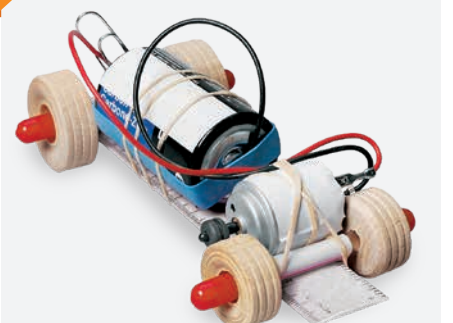
Updated in 2024!

**Nasco Classroom Olympiad Part 1**  
**Gr. 3–8** Each event encourages cooperative learning and fosters an understanding of the scientific method. Events include aerodynamics, car race, Cartesian divers, domino event, egg drop crate, regatta, rubber band catapult, suspension bridge, sky's the limit structures, and slow roller. Updated in 2024. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB31527 – \$162.00**



ONLY AT NASCO

BEST SELLER



**Science Car Kit**  
**Gr. 5+** Make a car while exploring topics such as circuits, switches, and pulley/gear ratios. Finished dimensions: 6" x 3". Size "D" batteries required (not included). ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB27491 – \$12.95**



**NEW**

**ENGINO® STEM**

The innovative, modular ENGINO building system was developed by STEM experts for open projects and engineering challenges for all age groups. The patented design enables students to quickly and easily build fully functional technological models and increase the complexity as their skills grow.

Easy-to-follow building instructions for all models can be found online or in the included booklet. The ENGINO digital curriculum platform includes lesson plans, building guides, sample programs, and more. KEIRO™ software is compatible with Windows, Android, Mac, and Linux. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.



**A. ENGINO® STEM & Robotics Mini Set**  
**Gr. 2–6** Build 40 functional robotic models. For groups of 2–3 students. Includes 312 parts, mini controller, 2 DC motors, 1 LED, 2 IR sensors, 1 touch sensor, and more in a plastic storage tub. Requires 3 AAA batteries (not included).  
**NE30544 – \$399.99**

**B. ENGINO® STEM & Robotics PRO Set**  
**Gr. 7–12** Build 30+ functional robotic models. For groups of 2–3 students. Includes 369 plastic parts, Pro controller, 3 DC motors, 5 LEDs, 2 IR sensors, 1 touch sensor, and more in a plastic storage tub. Requires 6 AA batteries (not included).  
**NE30545 – \$499.99**

**ENGINO® STEM Mechanics: Levers, Linkages & Structures**  
**Gr. 5–12** Construct 16 different working models that explore how levers are used to lift heavy objects, including a seesaw, a parking gate, a pantograph, and a double deck bridge. 38-page booklet.  
**NE30546 – \$28.99**



**C. ENGINO® STEM: Newton's Laws & Inclined Planes**  
**Gr. 5–12** Construct 6 different working models that explore the properties of energy and energy conversion, including a crash test rig, a rocket launcher, and a bow and arrow. 33-page booklet.  
**NE30547 – \$34.99**

**ENGINO® STEM Mechanics: Levers & Linkages**  
**Gr. 5–12** Construct 16 different working models that explore how to connect many levers together and how these linkages can be applied to various machines, including a seesaw, a movable weight scale, and a folding platform. 38-page booklet.  
**NE30548 – \$34.99**

**D. ENGINO® STEM Mechanics: Pulley Drives**  
**Gr. 5–12** Construct 8 different working models that explore how pulley drives can be used to transfer and increase force, including a stationary bike, a crane, and a windmill. 30-page booklet.  
**NE30549 – \$44.99**



**ENGINO® STEM Mechanics: Cams & Cranks**  
**Gr. 5–12** Construct 8 different working models that explore how cams and cranks transmit power and convert reciprocal to linear motion, including an oil pump, a sewing machine and a flying eagle. 30-page booklet.  
**NE30550 – \$44.99**

**E. ENGINO® STEM Mechanics: Gears & Worm Drives**  
**Gr. 5–12** Construct 12 different working models that explore how gears and worm drives can affect speed, force, and motion, including a car-ousel, a helicopter, and a screw press. 42-page booklet.  
**NE30551 – \$44.99**

**F. ENGINO® STEM Structures: Buildings & Bridges**  
**Gr. 5–12** Construct 9 different working models that explore the importance and challenges of architectural design, including a house, a pyramid, and various types of bridges. 34-page booklet.  
**NE30552 – \$39.99**



**G. ENGINO® STEM Newton's Laws: Inertia, Momentum & Energy**  
**Gr. 5–12** Construct 8 different working models that explore Newton's laws of motion, including a ballistic catapult, a gravity fan, a collision car, and a moving cabin. 37-page booklet.  
**NE30553 – \$44.99**

**ENGINO® STEM Astronomy: Traveling to Space**  
**Gr. 5–12** Construct 6 different models that will teach students all about space exploration, including a rocket, a landing pot, a space robot, and a space shuttle. 37-page booklet included.  
**NE30554 – \$28.99**

**ENGINO® STEM Solar Power: Converting Sunlight to Electricity**  
**Gr. 5–12** Explore the potential of the sun by building 16 solar-powered models, including a chopper car, a fan, a plane, a robot, and a winch crane. 34-page booklet.  
**NE30555 – \$89.99**

**ENGINO® STEM Simple Machines**  
**Gr. 5–12** This set combines the basic 5 sets of the Discovering STEM series and covers all simple machine mechanisms. Students will build 60 working models that cover levers, wedges, wheels and axles, screws, inclined planes, pulleys, and more advanced gears and linkages. 182-page booklet.  
**NE30556 – \$89.99**



**ENGINO® STEM Botanic Laboratory**  
**Gr. 5–12** Build a fully functional greenhouse model and control the temperature, moisture, and light levels. Besides all the build components, kit also includes 12 pots, a tray for growing plants, and a 10 ml plastic syringe for watering. Seeds and soil not included. 34-page booklet included.  
**NE30557 – \$99.99**

**H. ENGINO® STEM: Qboidz™ Set**  
**Gr. PreK–2** Developed for larger groups of young students to participate in endless creative building! Qboidz components are easy for preschoolers to work with while also being fully compatible with standard ENGINO parts. Includes 195 plastic parts that can build 90 different models. For groups of 3–4 students.  
**NE30558 – \$149.99**

**I. ENGINO® FaceBot: Tangible STEM Qboidz™ & Robotics Set**  
**Gr. K–3** Qboidz building components allow more than 20 models to be created by young students, and robotics components and amazing FaceBot step up complexity for the older grades. Includes 278 plastic parts, battery compartment for 3 AAA batteries (not included), mini controller, 35 tangible blocks of different commands, line-following mat with colored stations, board game with coding challenges, 4 interchangeable faces, 2 dual sensors (proximity and color), 2 DC motors, 1 LED, 1 touch sensor, and a storage tub. For groups of 2–3 students.  
**NE30559 – \$399.99**



**ENGINO® STEM Solar Power Complete Set**  
**Gr. 5–12** Show students all the ways we can use solar power. Includes one 3V solar panel that powers an electrical motor, along with digital instructions for 16 solar-powered models such as a chopper car, a plane, and a robot. Requires 3 AAA batteries (not included).  
**NE30561 – \$69.99**

**J. ENGINO® STEM Simple Machines Set**  
**Gr. 7–12** Quickly and easily build 60 working models that use simple machines. For groups of 2–3 students. Includes 191 plastic parts, gearing system, and pulleys system.  
**NE30562 – \$69.99**

**K. ENGINO® GinoBot™ Basic Edition**  
**Gr. 5–12** GinoBot is a highly programmable robot ready to be used straight out of the box! Students can expand their robot with ENGINO parts. Features 3 proximity sensors, 2 floor color sensors, and 2 encoder motors. Connectivity via USB, Bluetooth, and Wi-Fi. Can be programmed with KEIRO™ software. Can also be programmed with Python and C++ once a BBC micro:bit or Arduino are installed (not included). For groups of 3–4 students.  
**NE30560 – \$199.99**

**L. ENGINO® Robotic Challenge: Flexi-Track Puzzle**  
**Gr. 5–12** Do you need a better system for students to test their programmed robots? This modular set of large-scale floor mats is the answer! Mats are corrugated plastic puzzle pieces that are easy to store. Also includes 20 Qboidz parts and a Flexi-Track puzzle for GinoBot™ featuring a printed black line with slots for colored pieces to be inserted. GinoBot sold separately.  
**NE30563 – \$69.99**



## INSPIRE YOUR STUDENTS with team problem-solving and model building

The K'NEX® building system is an endless flexible tool you can use to get students engaged in hands-on exploration and help them understand and remember important science concepts. Sets are available for a wide range of skill levels and each is designed for small groups to explore and build multiple models throughout the year.

**Science sets include:**

- A teacher's guide or illustrated manual filled with activities that align with state and national education standards
- Enough K'NEX® pieces for groups to build multiple models



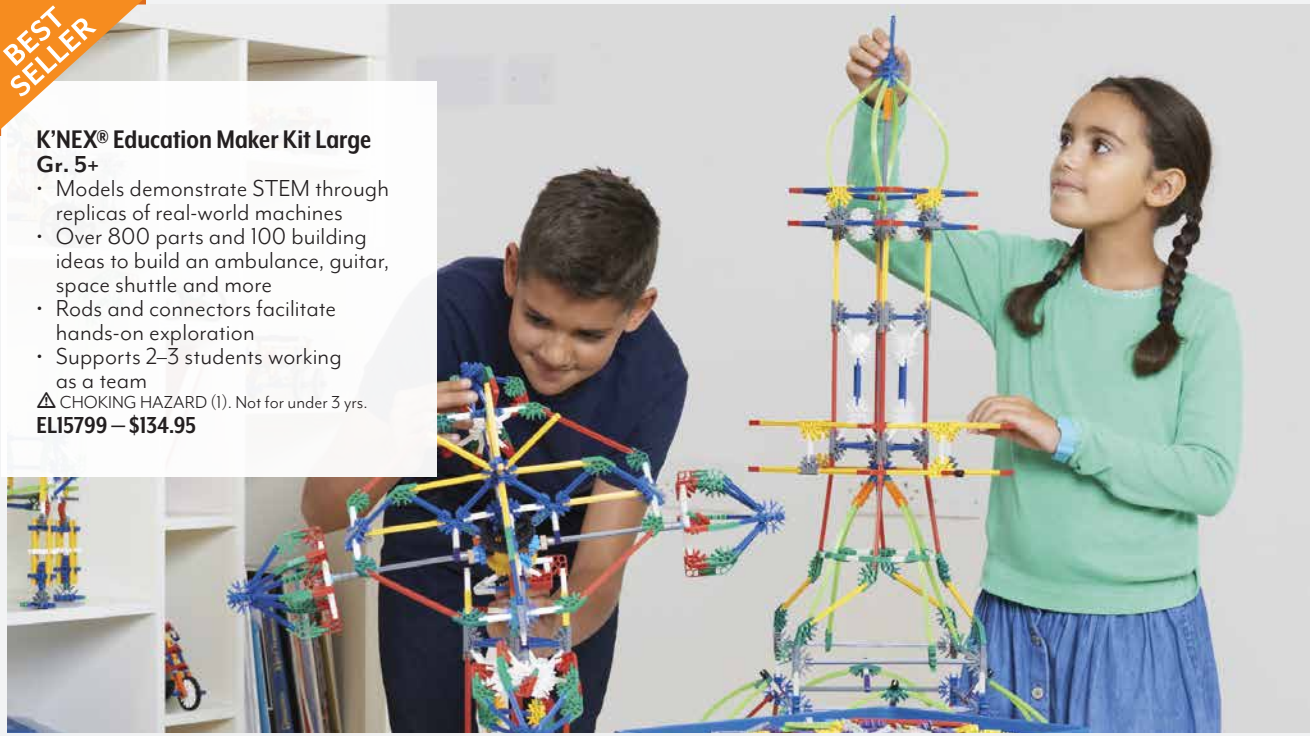
Look online for free sample lessons and key concepts addressed in each set

**BEST SELLER**

**K'NEX® Education Maker Kit Large  
Gr. 5+**

- Models demonstrate STEM through replicas of real-world machines
- Over 800 parts and 100 building ideas to build an ambulance, guitar, space shuttle and more
- Rods and connectors facilitate hands-on exploration
- Supports 2-3 students working as a team

⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
ELI5799 – \$134.95



*Builds 13 models*

**K'NEX® Introduction to Bridges  
Gr. 5-8**

- Models demonstrate 7 key bridge types (arch, beam, bascule, cantilever, cable-stayed, truss, and suspension)
- 207 pieces to build 13 bridge models
- Supports 2-3 students working as a team
- Instructional guide

TB20794 – \$46.95

*Builds 7 models*

**K'NEX® Intro to Simple Machines: Gears  
Gr. 5-8**

- Demonstrates spur, crown, chain, and sprocket gear assemblies
- 198 pieces to build 7 models, all replicas of real-world machines
- Supports 2-3 students working as a team
- Instructional guide

SB36649 – \$46.95

*Builds 7 models*

**K'NEX® Intro to Simple Machines: Wheels/Axles and Inclined Planes  
Gr. 5-8**

- Demonstrates wheel and axles and inclined planes including a wedge and screw
- 221 pieces to build 7 models (all replicas of real-world machines)
- Supports 2-3 students working as a team
- Instructional guide

⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
SB36638 – \$46.95

*Builds 70 models*

**K'NEX® Imagine Classic Constructions Building Set**

Create working vehicles, animals, moving structures, buildings, and more — the possibilities are endless. Plastic rods and connectors join up with a satisfying “click.” Includes over 700 pieces with storage chest and illustrated manual with over 70 building ideas.

ELI6198 – \$47.95

**K'NEX® Roller Coaster Building Set  
Gr. 5-9**

Build a working roller coaster. Supports 2-3 students. Over 500 parts, battery-powered motor, and downloadable booklet. Builds 3 models. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.

ELI5289 – \$50.95

*Builds 8 models*

**K'NEX® Intro to Simple Machines: Levers and Pulleys  
Gr. 5-8**

- Demonstrates 3 lever classes and fixed, movable, and combination pulley systems
- 178 pieces to build 8 replicas of real-world machines, one model at a time
- Supports 2-3 students working as a team
- Instructional guide

SB36650 – \$46.95



**BEST SELLER**



**Roller Coaster Engineering**

**Gr. K+** Introduce students to the ups and downs of designing and building dozens of working roller coaster models. As they complete challenges they'll experiment with variables such as car weight, slope, and length. Give them a practical and fun introduction to physics principles, including gravitation, potential energy, kinetic energy, projectile motion, friction, centripetal force, velocity, and acceleration. Includes 330 pieces and a 32-page guide. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NE30147 – \$49.95**



**Thames & Kosmos Structural Engineering Bridges and Skyscrapers Experiment Kit**

**Gr. 3-9** By building 20 models and conducting experiments with them, learn the basics of mechanical physics or structural engineering. Start out with small models that demonstrate how structural elements can be attached to maximize the strength of a structure. Then build more complex models and work toward building a towering skyscraper. Contains 323 parts and 44-page book with illustrated, step-by-step instructions.  
**EL15805 – \$49.95**

**ONLY AT NASCO**

**EXCLUDED FROM DISCOUNTS**



*Grade-level adaptations in teacher's guide*

**Nasco Design, Engineering, and Circuitry Classroom Kit**

**Gr. K-12** With this highly adaptable unit, students will work in small groups to combine their architectural engineering and circuitry skills with creativity to design a home or storefront that lights up. Includes 70-page teacher's guide with reproducibles and everything you need for 30 students to complete the unit. **CHOKING HAZARD (1).** Not for under 3 yrs.  
**NE30254 – \$219.95**

**Video alert!** Visit [nascoeducation.com](http://nascoeducation.com) to see how it works (search NE30254)



**KEVA® Structures Kit**

**Gr. K+** Stack pine wood planks to create ornate buildings, monuments, and geometric forms. No glue or connectors required. For 1 or more students.  
**SB49047 – \$59.95**



**KEVA® Maple Structures**

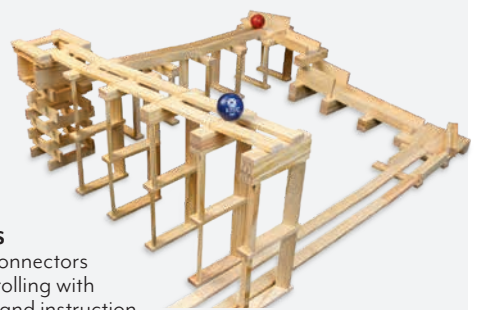
Children can build bridges, sculptures, houses, and towers taller than themselves with these high precision maple construction blocks that stack with surprising stability without any connectors. Every plank is the same size (4½" x ¾" x ¼" thick).  
**200-Piece Set.** Includes 2 plastic storage bins and instruction/game book. **SB46106 – \$124.95**  
**400-Piece Set.** Includes 2 plastic storage bins and instruction/game book. **SB46105 – \$199.95**

**BEST SELLER**



**Model Bridge Classroom STEM Pack**

Design and construct wooden bridges, enjoy the thrill of destructive testing, then calculate each bridge's efficiency to determine the best design. Build bridges from either strong ¾" x ½" x 24" basswood with consistent density or light, easy-to-cut ½" x ½" x 24" balsa wood. For 24 students.  
**SB23608** Basswood  
**SB23609** Balsa  
**Each – \$99.95**



**KEVA® Contraptions™ Kits**

**Gr. 2+** No glue or connectors needed. Get things rolling with 2 balls, pine planks, and instruction book detailing how to build a "shooting gallery," "turbine," "step curve," and more. For 1 or more students. **CHOKING HAZARD (4).** Not for under 3 yrs.  
**SB49050** 50-Piece Set – **\$22.95**  
**SB49049** 200-Piece Set – **\$59.95**



**Notched Building Sticks**

Box of 1,000, 4½" x ¾". **CHOKING HAZARD (1).** Not for under 3 yrs.  
**5500189 – \$26.80** **5+ \$24.32**



Find out how easy it is to connect your school's e-procurement system on [nascoeducation.com](http://nascoeducation.com)



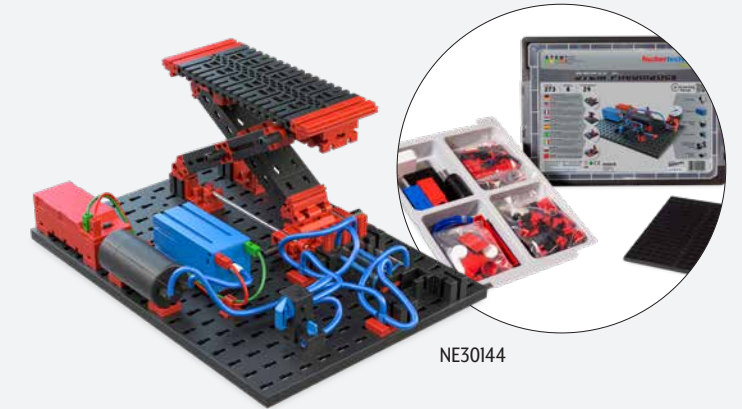


**Mega Cyborg Hand**  
**Gr. 1+** Use the plastic pieces and piston tubes to build a mechanical hand that uses hydraulic power to simulate the movements of the human hand – no motors or electricity required. Once assembled, the cyborg hand slips onto your hand like a glove, with mechanical fingers that you operate with your own fingers. The hand can be configured left-handed, right-handed or claw-like. Includes 203 pieces and 40-page guide.  
**NE30116 – \$40.95**



*Combine and control 3 motors simultaneously to create complex machines*

**Thames & Kosmos Remote Control Machines Experiment Kit**  
**Gr. 3–8** Build motorized vehicles and machines and control them with a wireless remote control unit. A unique six-button infrared remote allows you to control three different motors simultaneously, moving each of them forward or in reverse, with easy-to-activate touch sensors. The three motors can be combined to make complex vehicles and machines in numerous configurations limited only by your imagination. Assemble 10 models demonstrating different ways in which the motors can be used including a bulldozer, car, three-wheeler, crane, antique car, plow, folding car, formula one racer, three-blade dozer, and robotic arm. Kit comes with three motors, remote control unit, battery holder, and building blocks. The 48-page color instruction book gives illustrated step-by-step instructions to help develop mechanical understanding, creative thinking skills, and hand-eye coordination. 182 pieces.  
**SB49206 – \$105.95**



NE30144



NE30145

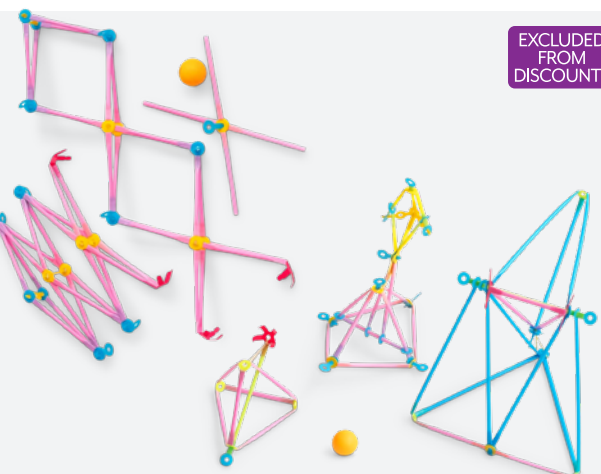
**fischertechnik® Construction Kits**  
This flexible construction system is built around the fischertechnik® building block, which allows attachment to all 6 sides. Each kit includes access to a library of downloadable teaching and tutorial materials. Recommended for 2–4 students per set. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**STEM Pneumatics. Gr. 6+** Students will build 8 different models and conduct 29 experiments that teach and demonstrate the basic principles of pneumatics.  
**NE30144 – \$215.00**  
**STEM Renewable Energies. Gr. 6+** Building 9 functional models and conducting 28 experiments teaches students about generating, storing, and using different types of renewable energy.  
**NE30145 – \$345.00**



EXCLUDED FROM DISCOUNTS

**Strawbees® STEAM Starter Kit With micro:bit**  
**Gr. 3–9** Give students more possibilities when exploring robotics in the classroom. This bundle includes supplies that students can add to their robotics toolbox so they have more capabilities to build, program, and play. Includes Strawbees® STEAM Starter Kit, Robotic Inventions for the micro:bit, and BBC micro:bit. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30207 – \$113.00**

**Candy Claw Machine**  
**Gr. K+** Build a working model of the classic claw machine. This STEM challenge will help students develop their motor skills and teach them about hydraulics, levers, gears, belts, end effectors, and more. When the included candy is gone, refill with your own small treats or toys. Includes 113 pieces and a 16-page guide. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30146 – \$39.95**



EXCLUDED FROM DISCOUNTS

**Strawbees® STEAM Starter Kit**  
**Gr. K+** Building set with 230 pieces to build create towers, moving mechanical cranes and arms. Set comes with five different precut straw sizes and four color-coded connectors. All materials are durable and reusable. Includes activity guide. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30125 – \$29.00**



EXCLUDED FROM DISCOUNTS

**Strawbees® STEAM School Kit**  
**Gr. K+** Let students build anything they can imagine with the largest Strawbees kit available. Includes 4,000+ pieces and 100+ challenges. Comes with teacher and admin access to Strawbees Classroom — an online library of lessons, professional development, and student materials. For up to 30 students. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**NE30327 – \$699.00**




**Thames & Kosmos The Big Engineering Makerspace**  
**Gr. 2+** Kit explores different areas of physics and engineering design by having students build 22 functional models and conduct tests with them. Explore submersibles, rotation, statics, and more. Includes 267 pieces and a 128-page manual with step-by-step instructions. ⚠ CHOKING HAZARD (1). Not for under 3 yrs.  
**SB53344 – \$99.95**





**The Hoberman Sphere™**  
Polymer links expand and contract almost effortlessly, changing in volume 30 times. Expands from 9½" to 30".  
**TBI8334 – \$36.50**



**Magformers® STEAM Basic 200-Piece Set**  
**Gr. PreK+** Perfect for developing children's scientific thinking, curiosity for building, and mathematical thinking. Click and connect STEAM engine blocks to create walking robots and space stations. Follow instructions to build walking animals, moving vehicles, and spinning towers. Students will learn about gear systems, kinetic motion, and pistons, taking their STEM education to the next level. Easy-to-use magnetic pieces always attract, never repel, and are compatible with all Magformers® shapes and accessories (excluding XL shapes). Pieces are made of high-quality ABS plastic and contain ½" rare-earth neodymium magnets on the sides. Includes 22 geometric shapes, 36 accessories, and S.T.E.A.M. idea booklet and play sheet. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**ELI3774 – \$409.95**




**Lux Blox™**  
**Gr. K-12** Pieces link together on all sides instead of stack. Creations bend, flex, and move like no other construction toy. Build models while exploring concepts in disciplines like biology, chemistry, math, physics, engineering, and more. Multi-wheels can also function as gears and pulleys. **CHOKING HAZARD (I).** Not for under 3 yrs.


**NEW**



**Thames and Kosmos® Gecko Run Marble Run Starter Set**  
**Gr. 3-8** Flexible tracks allow students to turn doors, windows, or any smooth surface into part of the track. Tracks attach with nano pads, which create a strong but temporary bond and can be easily repositioned for design iteration. Promotes hands-on experimentation, problem-solving through trial-and-error, and creativity. Includes 16-page illustrated manual.  
**NE30500 – \$34.95**



**Gear Set**  
This 300-gear set offers 40-, 30-, and 20-tooth gears (with a 3/16" bore to accommodate dowel) and a 12-tooth gear with a push into 2 mm motor shafts.  
**SB26469 – \$55.95**



**Lux Blox™ STEAM Primer**  
Set of 111 total pieces: 75 squares (red, yellow, blue); 20 white trigons; 5 multi-wheels; 4 square multi-wheels; 5 axles; and 2 giant 7" rubber bands. Comes in a 10"H clear tube with lid.  
**NE30009 – \$43.00**



**Lux Blox™ STEAM Inventor**  
Set of 223 total pieces: 40 red squares; 130 white squares; 35 white trigons; 2 trigon multi-wheels; 4 square multi-wheels; 10 axles; and 2 giant 7" rubber bands. Comes in a 14"H clear tube with lid.  
**NE30010 – \$66.99**



**Lux Blox™ Build Anything Bin**  
1,000 total pieces with 100 squares of each color: neon orange, teal blue, neon green, purple, royal blue, neon pink, yellow, red, white, and black. Includes a durable storage tote.  
**NE30011 – \$215.00**



**Roylco® Structure Sticks**  
**Gr. PreK+** Promote engineering and problem-solving skills with flexible structure sticks for open-ended or guided exploration. Includes 100 structure sticks and a challenge guide with graduated formations.  
**NE30374 – \$24.99**



**Roylco® Tubes and Connectors**  
**Gr. PreK+** Create and prototype practically anything with flexible tubes! Includes 180 tubes (60 of each length), 140 connectors, and 18 challenge cards.  
**NE30375 – \$39.99**



**Lux STEAM Accelerator Deluxe Classroom Set**  
Includes 800 squares; 300 trigons; 40 each of large and small multi-wheels; 40 each of large, medium, and small axles; 40 giant 7" rubber bands; laminated starter guide; extensive teacher's primer, and plastic storage unit.  
**TB27602 – \$472.00**

(A) Neutral Palette  
(B) Bright Palette  
Indicate color by letter code: TB27602(A)



**Lux STEAM Accelerator Small Group Set**  
Set includes 400 squares; 200 trigons; 20 each of large and small multi-wheels; 20 each of large, medium, and small axles; 20 giant 7" rubber bands; laminated starter guide; extensive teacher's primer, and plastic storage unit.  
**TB27603(B) – \$305.00**





**Nasco Simple Building Materials Kit**  
Immerse students in STEM exploration in the classroom or makerspace with this economical assortment of materials for building simple STEM projects. Perfect for a classroom of 24 students. Includes 3 lesson plans. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**TB27626 – \$126.95**



**Polydron STEM Set**  
**Gr. 5+** Build STEM learning to a higher level with this comprehensive set. With the use of detailed, double-sided work cards and activities, introduce STEM principles to students so they can take what they've learned and construct a variety of intermediate and advanced engineering projects. Set includes a detailed teacher guide, 22 work cards, and a variety of pieces for students to use when constructing projects. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**NE30206 – \$399.95**

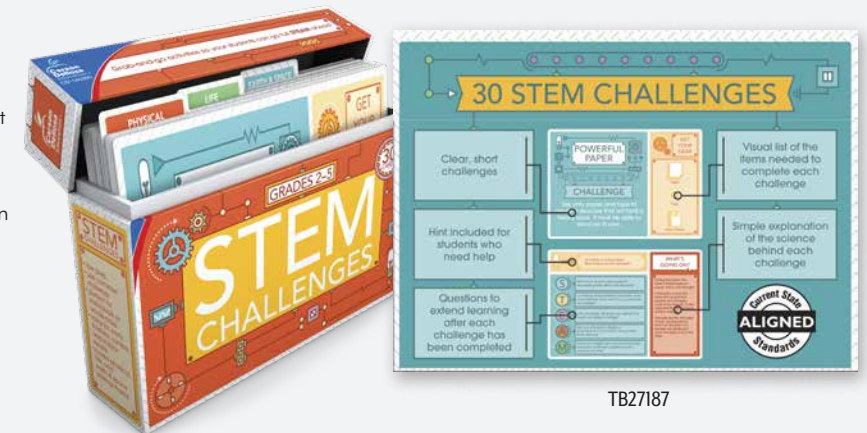
**3Dux GO-Pack Maker Kits – Set of 8**

**Gr. K+** Perfect for the makerspace, classroom and distance learning. Each kit includes a 3DuxDesign backpack, over 50 geometric cardboard shapes, 45 assorted connectors, string, straws, copper fasteners, pom poms, pipe cleaners, graph paper, ruler and animal figurine. Also includes downloadable ideas. **CHOKING HAZARD (I).** Not for under 3 yrs.  
**NE30104 – \$224.95**



**STEM Challenge Cards**

**Gr. 1-6** Dive into STEM with simple challenges that can be completed using everyday items. Perfect for individual or whole-group STEM activities. Each card includes tips, a simple explanation of the science concept involved, and an extension question for each area of STEM. Online resource available for more in-depth experiments. Includes three tabbed dividers and 30 coated, write-on/wipe-off cards (each 7 3/4" x 5 1/2").  
**TB27187** STEM Challenge Cards  
**TB27188** Seasonal STEM Challenge Cards  
**Box – \$18.00**



**3DuxDesign Architectural Modeling Kits**

Cardboard construction system integrates art, design, and open-ended creative play with STEM fundamentals. Building sets provide everything students need to create a featured structure, as well as additional pieces to expand the set or to build their own creations. Can be used for architecture, urban planning, engineering, 3-D modeling, and prototyping. Connectors work with most single-ply cardboard. **CHOKING HAZARD (I).** Not for under 3 yrs.

**GOBOX Pro Classroom Kit. Gr. 2+** Learn about circuits, renewable energy sources, and more by adding electricity to cardboard creations. Enough materials for 30 students working in groups. Includes links to downloadable curriculum.

**BEST SELLER SB53285 – \$279.95**

**Rocket Ship. Gr. 2+** Includes 90 pieces.  
**SB53282 – \$26.95**

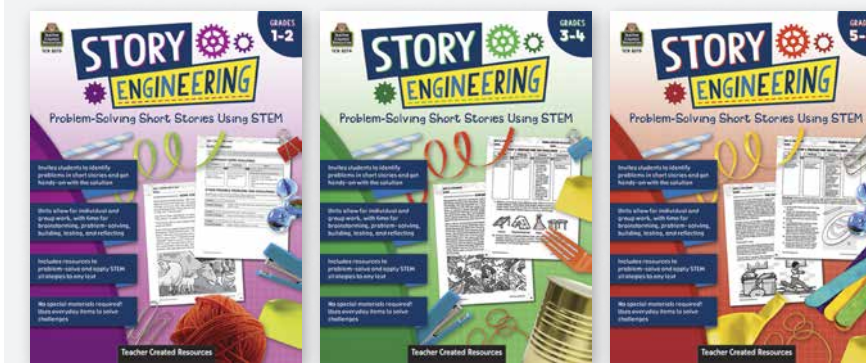
**Fire Station. Gr. 1+** Includes 84 pieces.  
**SB53279 – \$24.95**

**GOBOX Classroom Kit. Gr. K+** Enough materials for 30 students working in groups. Includes links to downloadable curriculum.  
**SB53283 – \$219.95**

**Iconic Home. Gr. K+** Includes 83 pieces.  
**SB53280 – \$24.95**

**Modern Museum. Gr. 1+** Includes 76 pieces.  
**SB53281 – \$25.95**

**Jumbo Connector Set.** 60 connectors in 6 designs. Assorted colors.  
**SB53284 – \$24.95**



**Story Engineering Books: Problem-Solving Short Stories Using STEM**

Approach STEM problem-solving skills with literacy to get the most out of limited class time. Students read fictional passages, then solve the problems using STEM/engineering design process and everyday materials. Each book contains 11-12 units, each on focusing on one problem and one challenge, with additional problems for future challenges. Use for individual or group work. Includes teacher overview, lesson plan, and activity sheets.

**NE30098 Gr. 1-2**  
**NE30099 Gr. 3-4**  
**NE30100 Gr. 5-6**  
**Each – \$14.95**



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**3Doodler® EDU Start+ Learning Pack - 12-Pen Set**  
3Doodler® Start+ has no hot parts and is perfect for use with elementary students. Use to teach design, building, construction, spatial understanding, and a variety of other skills. Drives student engagement, confidence, and focus with hands-on learning. Each pack contains DoodlePads, DoodleBlocks™, USB cables, teacher's checklist, cheat sheet, manual, 3Doodler® poster, 2 lesson plans, 2 unblocking tools, EDU booklet, activity guide, DoodleBlock™ guide, troubleshooting guide, and free app. Contains 1,200 plastics (150 each of 8 colors) and 12 each of Start pens. **NAI0337 – \$605.00**



**3Doodler® Start+ Essentials Set**  
**Gr. 2+** Use 3D printing pen while plugged in or charge it and doodle wirelessly for up to 1 hour. Teach design, building, construction, spatial understanding, and a variety of other skills in a fun, engaging way. No hot parts. Includes pen, 2 plastic packs, activity guide, micro USB charging cable, and free app. **CHOKING HAZARD (1)**. Not for under 3 yrs. **NAI5551 – \$51.95**



**3Doodler Start+ Eco-Plastic Filament Packs**  
**Gr. 1–8** Bring ideas to life by doodling 3D shapes and designs. With strands of colorful plastic and the compatible 3Doodler Start+ Pen, students can add dimension to any project with the low-heat, BPA-free and nontoxic plastics in each of these packs. One 6" strand will give over 35" of doodling as it melts. **CHOKING HAZARD (1)**. Not for under 3 yrs.

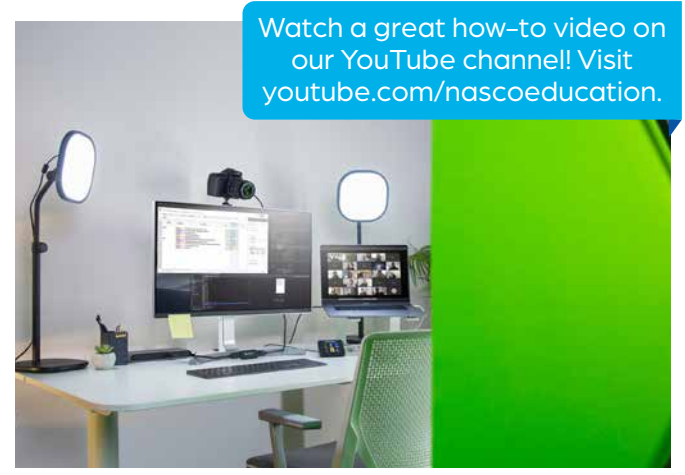
<b>75 Strands</b>	<b>250 Strands</b>
<b>NE30218</b> Pack 1: Red, White, and Blue	<b>NE30221</b> Fire and Ice Pack (Orange, Yellow, Pink, Light Blue, White)
<b>NE30219</b> Pack 2: Orange, Yellow, and Green	<b>NE30222</b> Primary Pow Pack (Red, Green, Blue, Black, Gray)
<b>Pack – \$14.50</b>	<b>Pack – \$36.00</b>

## TAKE VIDEOS TO THE NEXT LEVEL

Turn any space into a top-notch multimedia studio

EXCLUDED FROM DISCOUNTS

Let students use these video production essentials to develop media production skills and create dynamic projects and presentations. Or use them yourself to make remote instruction more engaging for distance learners.



**Retractable Green Screen**  
Optimized for chroma keying, the green screen allows you to drop any background in and change it as often as you like for more interesting and engaging online classroom environments. 58 1/4"W x 70 3/4"H. **NAI0463 – \$165.00**

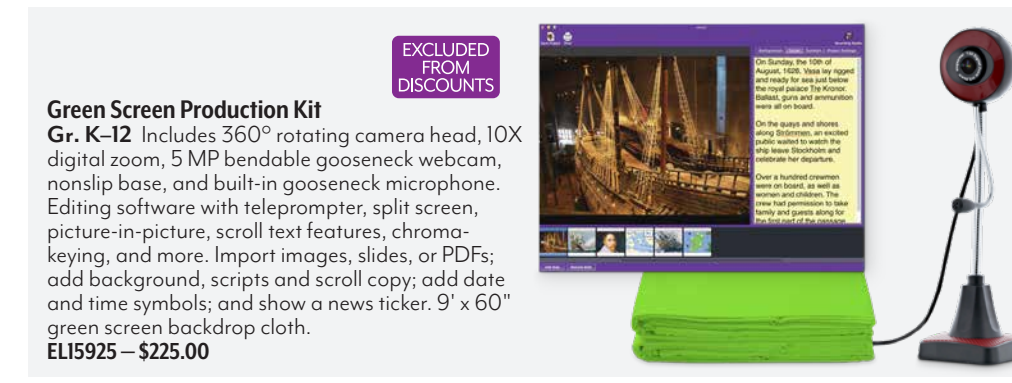
**Key Light Air**  
Premium LEDs with 1400-lumen output, adjustable swivel head. Connects wirelessly from your PC, Mac®, Android® device or iPhone® so you can adjust brightness and color with ease. **NAI0464 – \$135.00**

**Stream Deck Mini**  
Enhance your onscreen activity with GIFs, images, videos and soundbites. You can even apply lower thirds and bookend your content with signature intro and outro graphics. **NAI0465 – \$105.00**

**Cam Link 4K**  
Connect your DSLR, camcorder, or action cam to your PC or Mac®, and use it as a webcam in your favorite apps to make online classes more engaging. Superb quality at 1080p60 or even up to 4K at 30 frames per second. **NAI0466 – \$135.00**

**Multi Mount Modular Rigging System**  
Position your camera, light or phone at any angle, while keeping your workspace tidy. Effortless adjustability, great for overhead shots of tabletop, for instance. **NAI0467 – \$55.00**

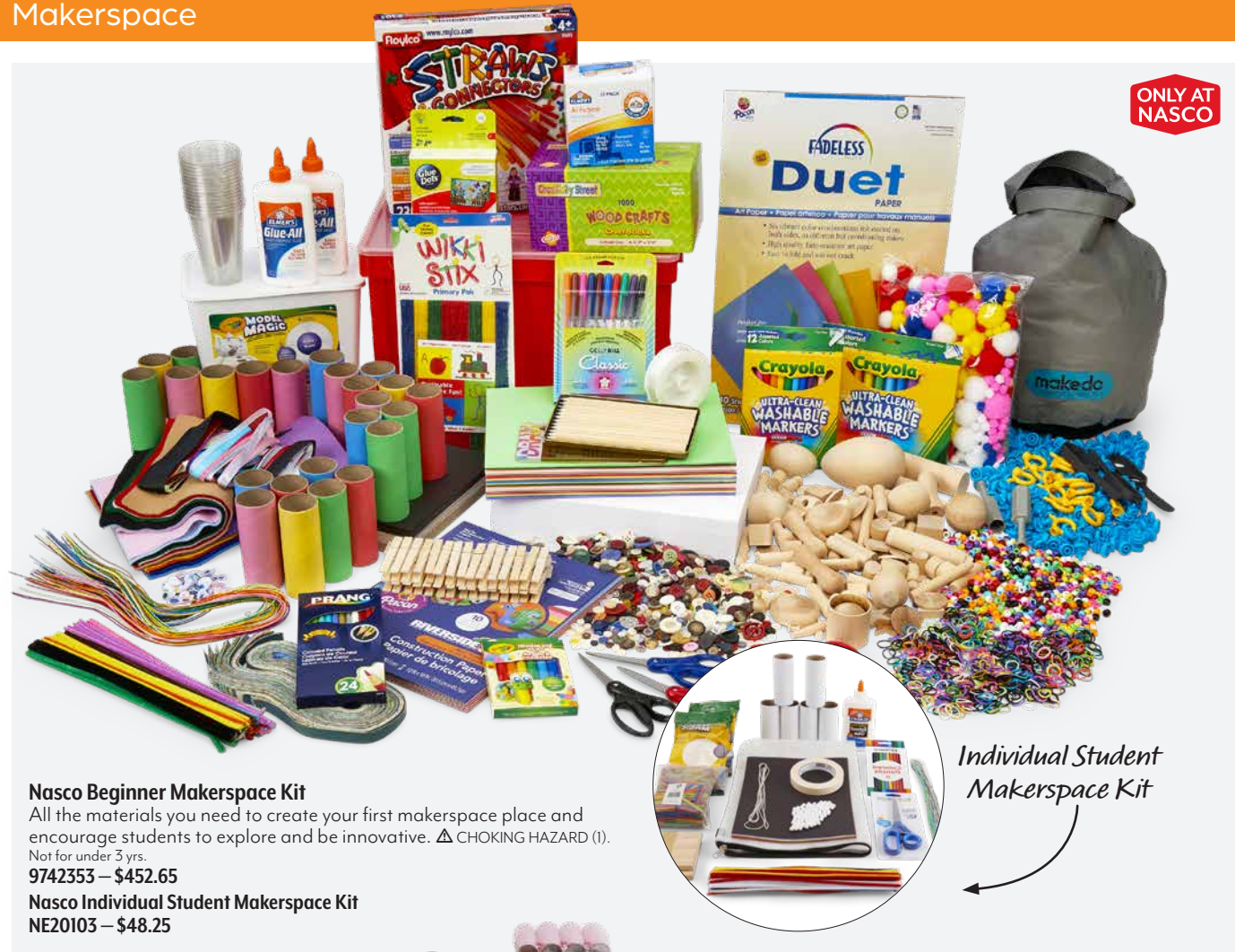
Streaming Bundles	For full product descriptions visit nascoeducation.com		
	Basic (NAI0468)	Intermediate (NAI0469)	Advanced (NAI0470)
Green Screen	✓	✓	✓
Key Light Air	✓	✓	✓
Stream Deck Mini	✓	✓	
Stream Deck			✓
Cam Link 4K		✓	✓
Multi Mount		✓	✓
<b>Each</b>	<b>\$390.00</b>	<b>\$575.00</b>	<b>\$625.00</b>



**Green Screen Production Kit**  
**Gr. K–12** Includes 360° rotating camera head, 10X digital zoom, 5 MP bendable gooseneck webcam, nonslip base, and built-in gooseneck microphone. Editing software with teleprompter, split screen, picture-in-picture, scroll text features, chroma-keying, and more. Import images, slides, or PDFs; add background, scripts and scroll copy; add date and time symbols; and show a news ticker. 9' x 60" green screen backdrop cloth. **ELI5925 – \$225.00**

**BEST SELLER**





ONLY AT NASCO

**Nasco Beginner Makerspace Kit**

All the materials you need to create your first makerspace place and encourage students to explore and be innovative. ⚠️ CHOKING HAZARD (1). Not for under 3 yrs.

9742353 – \$452.65

**Nasco Individual Student Makerspace Kit**

NE20103 – \$48.25



Individual Student Makerspace Kit



ONLY AT NASCO

SB53389

**Nasco All About Fish Kits and Lesson Plans**

Great STEAM lessons include multiple activities with kits curated by age group, using the ancient Japanese art of Gyotaku Fish Printmaking. Each contains enough materials for class of 24, lesson plan, rulers, paints/glazes/ink, brushes/rollers, drawing paper, gyotaku fish rubber stamps, and book. ⚠️ CHOKING HAZARD (1). Not for under 3 yrs.

**All About Fish Kit: Learn, Print, & Build, Gr. K-2**  
SB53388 – \$325.00

**All About Fish Kit: Structure, Print, & Build, Gr. 3-5**  
SB53389 – \$430.00



**Copernicus 3D Printer Cart**

Features adjustable spool holder (for up to 4 spools), sliding laptop shelf (fits laptops up to 17"), magnets and hooks for hanging accessories, 1 big tub, 4" casters (2 locking), and 6-outlet power strip. Accommodates 3D printers with a footprint of up to 26½" x 24". Frame measures 36" x 24" x 59". Lifetime warranty.

**Base Model.** 4 open tubs. 📦 📦  
Z48158 – \$629.95

**Premium Model.** Base Tech Tub® and 2 open tubs. 📦 📦  
Z51405 – \$719.95



EXCLUDED FROM DISCOUNTS

**FlashForge Artemis 3D Printer**

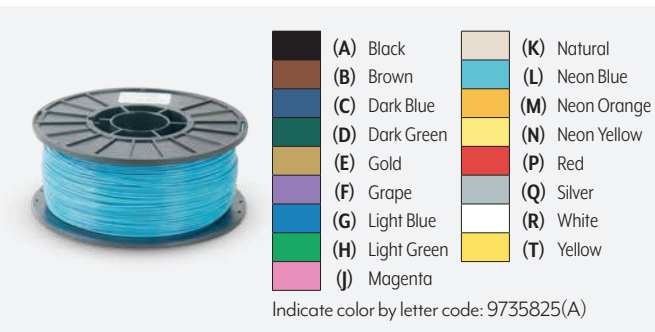
Artemis is a cost-effective 3D printer that offers high-quality performance and reliability. Quiet printing is perfect for classrooms. Features include a removable glass platform, removable PEI magnetic steel plate platform, heatable build bed, filament detection sensor, and HD full-color touch screen. Print volume: 190 x 195 x 200 mm. Overall dimensions: 16" x 16½" x 18½". OS compatibility: Windows 7/10, Mac OS. See detailed specs at nascoeducation.com. 📦  
NE30329 – \$710.00



EXCLUDED FROM DISCOUNTS

**FlashForge Adventurer 5M Pro 3D Printer**

Join the high speed printing movement with unmatched performance and quality. Features include a 10-minute setup, one-click auto-leveling, vibration compensation, PEI removable and flexible build plate, quick-release nozzle, fully enclosed printing chamber, HEPA 13H filter system, and LCD touch screen. Print speed: Up to 300 mm/s. Maximum extruder temperature: 280°C (509°F). Print volume: 220 mm x 220 mm x 220 mm. Overall dimensions: 15" x 15.7" x 17.8". Compatibility: Windows® 7/8/10/11, Linux Ubuntu 20.04 and later, Mac® OS 10.9 and later. See detailed specs at nascoeducation.com. 📦  
NE30510 – \$750.00



- |                 |                 |
|-----------------|-----------------|
| (A) Black       | (K) Natural     |
| (B) Brown       | (L) Neon Blue   |
| (C) Dark Blue   | (M) Neon Orange |
| (D) Dark Green  | (N) Neon Yellow |
| (E) Gold        | (P) Red         |
| (F) Grape       | (Q) Silver      |
| (G) Light Blue  | (R) White       |
| (H) Light Green | (T) Yellow      |
| (J) Magenta     |                 |

Indicate color by letter code: 9735825(A)

**PLA Filament**

Created from plant products (corn, potatoes, or sugar beets), PLA is considered more earth-friendly compared to the petroleum-based ABS plastics. It's biodegradable and can be composted at most commercial facilities. Stronger and more rigid than ABS plastic. Printed objects will look and feel glossier than ABS. Can be sanded and machined. Do not leave in high temperatures (such as hot cars) since objects may deform and droop. When PLA is properly cooled, it has higher maximum printing speeds, lower layer heights, and sharper printed corners. Filament comes on a 2.2-lb. spool. 1.75 mm.  
9735825 – \$34.95 Mix 10+ \$33.32

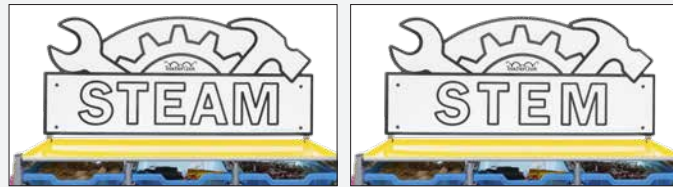


But wait, there's more! Scan to browse the full selection of 3D Printers at [nascoeducation.com](https://nascoeducation.com)



EXCLUDED FROM DISCOUNTS

Support hundreds of students with just one cart



**TeacherGeek Maker Space/STEAM/STEM Activity Carts**

**Gr. 3–12** Roll this cart into your classroom, lab, or library for the ultimate Maker/STEAM/STEM solution. Contains over 15,000 components and tools to complete more than 40 different STEAM/STEM projects. Includes a pallet of replacement supplies and tools to keep the cart stocked. Students will learn science and engineering concepts through experimentation, grow their understanding, and evolve projects through the design and engineering process. NGSS aligned.

**Activity Cart, Maker Space Header**

**NZ10450** Grape **NZ10451** Strawberry  
**NZ10452** Kiwi **NZ10453** Blueberry  
Each — \$7,998.00

**Activity Cart STEAM Header**

**NZ10454** Grape **NZ10455** Strawberry  
**NZ10456** Kiwi **NZ10457** Blueberry  
Each — \$7,998.00

**Activity Cart STEM Header**

**NZ10458** Grape **NZ10459** Strawberry  
**NZ10460** Kiwi **NZ10461** Blueberry  
Each — \$7,998.00



**Gratnells Callero Plus Double Carts**

Runner system ensures trays can't be pulled fully out of the cart by accident. Adjustable runners accommodate various tray sizes. Rounded ergonomic handles. Powder-coated frame. Silver metal trim. 3" casters. Includes 8 deep trays (16<sup>13</sup>/<sub>16</sub>" D x 12<sup>5</sup>/<sub>16</sub>" W). 16<sup>7</sup>/<sub>8</sub>" D x 27<sup>3</sup>/<sub>16</sub>" W x 41<sup>1</sup>/<sub>2</sub>" H.

(F) Translucent (G) Jolly Lime  
Indicate color by letter code: Z51758(F)  
**Z51758 — \$767.35**

**KEEP SUPPLIES ORGANIZED**  
in your classroom or on the move



EXCLUDED FROM DISCOUNTS

**Gratnells Callero Plus Treble Carts**

Premium, ultra heavy-duty carts transport your classroom equipment from place to place easily and securely. Adjustable StopSafe runner system ensures trays cannot be pulled fully out of the cart by accident, preventing spills. Tough, powder-coated metal frame offers wear and knock resistance. Features durable 3" casters and rounded ergonomic handles for easy movement. Includes 12 deep trays (16<sup>13</sup>/<sub>16</sub>" x 12<sup>5</sup>/<sub>16</sub>" x 5<sup>7</sup>/<sub>8</sub>"). 16<sup>7</sup>/<sub>8</sub>" x 40<sup>3</sup>/<sub>16</sub>" x 41<sup>1</sup>/<sub>2</sub>".

(D) Royal Blue (E) Flame Red  
Indicate color by letter code: Z51762(D)  
**Z51762 — \$925.00**



EXCLUDED FROM DISCOUNTS

**Gratnells Callero Plus Treble Carts**

Runner system ensures trays can't be pulled fully out of the cart by accident. Adjustable runners accommodate various tray sizes. Rounded ergonomic handles. Powder-coated frame. Silver metal trim. 3" casters. Trays: 16<sup>13</sup>/<sub>16</sub>" x 12<sup>5</sup>/<sub>16</sub>". Includes 16 shallow (3") and 4 deep (5<sup>7</sup>/<sub>8</sub>") trays. 16<sup>7</sup>/<sub>8</sub>" x 40<sup>3</sup>/<sub>16</sub>" x 41<sup>1</sup>/<sub>2</sub>".

(D) Royal Blue (E) Flame Red (G) Jolly Lime  
Indicate color by letter code: Z51764(D)  
**Z51764 — \$999.00**



EXCLUDED FROM DISCOUNTS



**Copernicus® STEM Storage Cart**

Includes 23 storage tubs and a removable double-sided dry-erase board. Features locking casters and a frame designed to hold up to 90 lbs. Lifetime warranty on cart and tubs. 5 year warranty on whiteboard.

**NE40332 — \$664.80**



**Gratnells Makerspace Cart**

Side and back panels offer industry-standard holes and slots for a wide range of accessories. Runners allow easy and safe access to components. Steel frame. Heavy-duty lockable casters. Includes 12 shallow trays (16<sup>13</sup>/<sub>16</sub>" x 12<sup>5</sup>/<sub>16</sub>" x 3"), 3 deep trays (16<sup>13</sup>/<sub>16</sub>" x 12<sup>5</sup>/<sub>16</sub>" x 5<sup>7</sup>/<sub>8</sub>"), 12 green mini bins, roll holder, 5 single hooks, and 5 double hooks.

**Z51766(K) — \$1,340.00**

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**nascoeducation.com**



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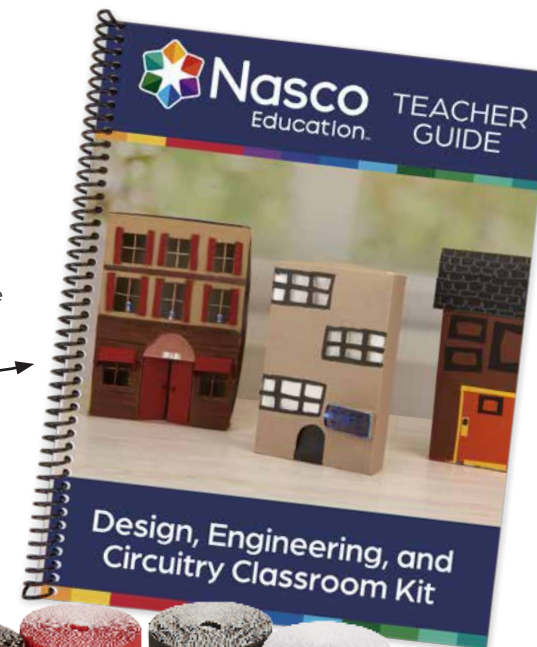
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