

# ENERGY INVESTIGATION



TRY SOME HANDS ON RENEWABLE ENERGY CHALLENGES, OR  
LOOK CLOSELY AT ENERGY USE IN YOUR SCHOOL.



## KIDWIND - WIND CHALLENGE AND SOLAR CHALLENGE STARTER KITS

- Provide a real-world experience for your students to gain an understanding of energy, circuits, and loads. The Single Pack provides the technology and materials needed for one group of students as they use Vernier's Wind Energy Explorations lab book.
- This kit has a 2V solar panel and lots of parts to help 1-2 teams build a solar device for the Solar KidWind Challenge. This kit also includes REcharge Labs manuals to build solar boats, solar houses & solar fountains.



## P3 KILL-A-WATT METER (SET OF 2) AND BLACK+DECKER THERMAL LEAK DETECTOR (SET OF 2)

- With the Kill-A-Watt meter you can easily identify which appliance in your school is costing you the most money. The Power Monitor also allows you to enter your Utility providers cost of electricity so you can monitor and pinpoint what each appliance is costing you.
- The Black & Decker thermal leak detector helps you find leaky areas that can lead to higher heating and cooling bills. Check windows, doors, ducts, and walls with the thermal reference light that indicates hot and cold spots.

## SOLAR OVEN CHALLENGE KITS WITH S'MORE INGREDIENTS

- Includes all the materials needed for 10 small groups to make their own Solar Oven and "cook" their s'mores with the heat from the sun.
- 10 Pizza Boxes, 20 feet of aluminum foil, 20 sheets of black paper, 10 wooden skewers, 20 sheets of transparency paper, 10 metal student thermometers, 2 boxes of Honey Maid Graham Crackers, 12 full size Hershey's Chocolate bars and one bag of S'more sized Jet-Puffed Marshmallows (enough for 24 S'mores).

# ENVIRONMENTAL QUALITY INVESTIGATION



MOST OF OUR SCHOOL DAY IS SPEND INDOORS. REDUCE INDOOR ALLERGENS THAT CAN TRIGGER RESPIRATORY PROBLEMS BY REDUCING YOUR CLASSROOM DUST, MOLD, POLLEN AND DANDER. OR KEEP AN EYE ON INDOOR CARBON DIOXIDE LEVELS.

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## CO2METER INDOOR AIR QUALITY CO2 METER, TEMPERATURE AND RELATIVE HUMIDITY

The TIM10 Desktop CO2, Temp, & Humidity Monitor continuously shows carbon dioxide, temperature, and relative humidity levels so you can monitor the quality of air in your classroom.

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## IWOLY C150 CORDLESS VACUUM CLEANER WITH HEPA FILTER

5 IN 1 LIGHTWEIGHT CORDLESS VACUUM CLEANER

The lightweight yet powerful iwoly Cordless Stick Vacuum is great for cleaning tile floors, low pile carpets and area rugs. Three power modes for up to 35 min run time. 2 detachable wands allowing you clean the hard-to-reach area effortless. High efficiency HEPA filtration.

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## BISSELL TURBOCLEAN POWERBRUSH CARPET CLEANER

We know spills and accidents happen at school and custodians can't always get there when you need them. Now you can clean your carpet and area rugs on your schedule with this lightweight and powerful Bissell TurboClean Powerbrush Carpet Cleaner. It's great for smaller spaces that may have limited storage. When you're done using it, features like the easy-to-remove water tanks and a removable nozzle make maintenance simple.

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AHAM®  
VERIFIDE

Independently Tested.  
Consumer Trusted.

## GERM GUARDIAN 3-IN-1 TRUE HEPA FILTER AIR PURIFIER

HEPA Filter Captures 99.97% of dust and allergens • Charcoal Filter Reduces common odors from pets, smoking and cooking • UV-C Light helps reduce airborne bacteria, viruses, and mold spores • TIO2 treatment Works with the UV-C to reduce VOCs. Covers 153 sq ft.

# SCHOOL SITE INVESTIGATION



STUDENTS CAN LEARN WHERE THEIR FOOD COMES FROM (NOT GROCERY STORES) BY GROWING THEIR OWN GARDEN. OR LEARN MORE ABOUT THE IMPORTANCE OF POLLINATORS AND BUILD THEIR OWN BEE HOUSE. OR TRY TO IDENTIFY DIFFERENT TREES BY THEIR LEAVES OR TWIGS

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## KETER 19.4" X 44.9" X 29.8" BLACK RESIN RAISED GARDEN KIT

The Keter Full Bloom Elevated Garden makes it easy and fun to garden no matter what your school site looks like. With generous capacity of 31.7 gallons, you'll have enough room to grow a variety of vegetables, herbs, flowers or even houseplants. The Full Bloom Elevated Garden is an ergonomically designed elevated planter that is easy to use. Perfect for small outdoor spaces, with water system that allows you to control drainage, manage the water reservoir and includes an easy to read water gauge so you know when your plants need more water. Simple assembly with easy-to-follow instructions. Can be used indoors or outdoors for year round gardening.

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## NATURE-WATCH MASON BEE HOUSE ACTIVITY KIT FOR 25 STUDENTS

While we are all familiar with honey bees (which are not native to the United States), most of us are less familiar with native bees, including Mason Bees. Mason Bees are solitary, they don't swarm, and they rarely sting. While Mason Bees do not make honey, they are excellent pollinators! Native bees pollinate approximately 75% of the fruits, nuts and vegetables grown in the U.S. Mason Bees like to nest in holes. In nature, they find hollow stems or holes made by insects in dead wood. Since all they need is a safe hole within which to live, we can build homes for Mason Bees and help their population grow. In turn, they will continue to pollinate which is critical to our food supply. Set includes enough for 25 children to make and take home their own Mason Bee House! Hang the house in a sunny location facing south or south-east and soon you'll have inhabitants to observe. Nature-Watch Kits include everything you need to assemble the kit and an activity guide loaded with educational content for the instructor to share with children.

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## AEROGARDEN HARVEST INDOOR GARDEN WITH HERB SEED STARTING SYSTEM

Want to garden with your students but the school year timeframe makes that difficult? Meet the AeroGarden Harvest, an indoor garden system that allows you to grow up to 6 different plant varieties at once, year-round no sun, soil, or green thumb required. So, why wait for the perfect weather. Make every day a great gardening day with AeroGarden Harvest indoor garden.



## LEAF IDENTIFICATION AND TWIG IDENTIFICATION KITS

Young naturalists will discover how to identify and classify leaves by their shape, size, veins, margins and position on the twig. This wonderful kit includes 39 real specimen tree leaves; each individually carded, labeled and bagged. The 39 leaves include 13 identified leaves (mainly east coast varieties) and 26 unidentified leaves (2 each of the identified specimens). There is also a teacher's guide that's full of hands-on activities.

Learn to identify winter twigs by their color, size, shape, buds and thorns using 39 real specimens. Includes 13 different species and a teacher's guide with hands-on activities.

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# WASTE & RECYCLING INVESTIGATION



GET STARTED RECYCLING OR COMPOSTING WITH THESE EASY SOLUTIONS OR LET YOUR STUDENTS EXPERIMENT WITH COMPOST OR MAKING RECYCLED MATERIALS.



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## RUBBERMAID RECYCLING WASTEBASKET, BLUE, 7 GALLON - SET OF 15

Gain control of your classroom recycling! With 7 gallons of capacity and designed to fit neatly under your desk, this is an easy and effective way to recycle paper or small quantities of recyclables. You will get 15 total recycle bins.



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## HOTFROG OUTDOOR ROLLING COMPOSTER

Avoid digging and mixing your compost pile by hand. The tumbling design makes mixing easy and efficient. Just close the door and turn it 5-6 times every 2-3 days. In hot sunny conditions and with a proper balance of ingredients the compost can finish in as little as 2 weeks. Total capacity 37 gallons (5 cu ft) The rolling design allows you to easily move the compost to where it's needed instead of moving it with buckets or a wheel barrel.



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## RUBBERMAID RECYCLING WASTEBASKET, BLUE, 14 GALLON - SET OF 4

Get your recycling program going with four of these 14 gallon capacity Rubbermaid Recycling Bin. They are made from linear low density polyethylene to withstand harsh weather conditions and prevent cracking, denting or bowing. This recycle bin is stackable for convenient use of multiple containers at one time and nestable for easy storage.



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## SEE-THROUGH COMPOST CONTAINER, RECYCLED PAPER MAKING KIT AND RECYCLED PAPER BEAD KIT

- 3- aerated compartments enable kids to view the entire decomposition process clearly and make side-by-side comparisons between different materials. Included thermometers demonstrate temperature changes during decomposition process.
- 4M Green Science Paper Making Kit from STEAM Powered Kids. Glow-in-the-dark recycling, paper making, and paper mache science craft. Master paper making and have unlimited fun recycling used paper for environmentally friendly science craft projects.
- The Recycled Paper Beads Kit teaches the value of recycling in a hands-on way. Simply insert strips of paper into the tool and turn the handle to create decorative paper beads.

# WATER INVESTIGATION

GET STARTED RECYCLING OR COMPOSTING WITH THESE EASY SOLUTIONS OR LET YOU STUDENTS EXPERIMENT WITH COMPOST OR MAKING RECYCLED MATERIALS.



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**FCMP OUTDOOR RAIN BARREL,  
50 GALLON, BROWN**

Designed to mimic a traditional wooden barrel the Rain Catcher line of rain barrels have many modern features not found in a basic barrel. • The large opening and flat back design allow for easy installation and placement of the downspout while the spoke and wheel pattern in the top of the barrel keeps it child and pet safe. • The overflow connection at the back of the barrel allows excess water to flow down and underneath the barrel to direct it away from foundations. • Spigots on the side of the barrel allow you to connect multiple Rain Catcher barrels in-series for easy expansion of your rain water storage capacity. • The aluminum mesh screen keeps out debris and mosquitoes to keep the water clear and keep your students safe from insect borne illnesses.

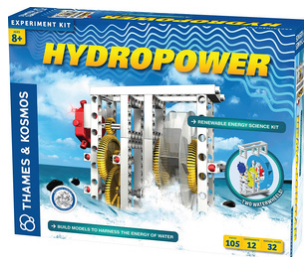


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**OUTDOOR WATER CONSERVATION KIT-  
INCLUDES A TREE GATOR WATERING BAG,  
A PRECISION RAIN GAUGE, A BLUETOOTH  
HOSE TIMER, AND A SOIL MOISTURE  
METER**

This kit includes everything you need to get started conserving water outdoors.

- The Tree Gator bag helps to slowly water trees.
- The precision rain gauge allows you to monitor local rainfall or participate in the Community Collaborative Rain, Hail and Snow Network and report your location's precipitation amounts
- Turn on the hose for the outdoor garden through an app on your smartphone
- Accurately measure soil moisture with a hygrometer.



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**HYDROPOWER, WATER PUMP AND CLEAN WATER SCIENCE KIT**

- Hydropower has been used for hundreds of years in watermills and is now commonly used to generate electricity in applications such as hydroelectric dams and Tidal power plants. Explore the power of water by building models and conducting experiments with them.
- Green Science Solar Powered Water Pump. This kit includes everything you need to set up a water pump. Works when the sun is shining on solar power or it can be powered by battery (1 x AAA) if there is no sunlight. Suitable for children ages 8 and above.
- Learn about the science of cleaning and reusing dirty water with the 4M Clean Water Science kit. This personal desalination kit demonstrates the scientific way to extract salt from sea water. The kit contains a plastic filter system, active carbon, sand, rock and filter paper. Perfect for young science enthusiasts, especially those with an interest in chemistry and the environment.

# TEACHER ESSENTIALS

SOME ITEMS JUST MAKE TEACHING A BIT EASIER.



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## HP DESKJET 2755E WIRELESS COLOR ALL-IN-ONE PRINTER WITH COMBO INK PACK

We know the printer is either on the other side of the school, out of paper, out of ink, out of order or a myriad of other problems. Have your very own COLOR printer in your classroom.



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## SCOTCH THERMAL LAMINATOR, (TL901X) WITH 3M LAMINATING VARIETY POUCH KIT

Like the printer, this item is often across campus and takes FOREVER to heat up and use. This desktop laminator is quick and easy to use. Comes with a variety of laminating pouch sizes from 8 1/2 x 11 down to business card size.



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## FLEXIBLE SEATING AND FIGDET BANDS

- 12 count Solace Kick Bands. Studies show that physical activity helps to increase focus and attention while sitting, especially for kids and teens with ADHD. Kick Bands provide quiet sensory-motor input to help self-regulation.
- 6-pack of foam floor cushions with tree trunk design; lightweight seats are perfect for flexible learning in schools, 13.5 x 13.5 x 1.75 inches; 8 Ounces



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## DRY ERASE POCKETS (30 COUNT) PLUS TWO BOXES OF EXPO DRY ERASE MARKERS

- 30 count 10"x14" Dry Erase Pockets. A great way to reduce paper use!
- 36 count of EXPO fine tip, black, dry erase markers
- 36 count of EXPO chisel tip, multicolor, dry erase markers



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## ELECTRIC PENCIL SHARPENER, PENCILS, PRINTER PAPER AND NOTEBOOK PAPER

Need a strong reliable pencil sharpener for your classroom? We've got you covered. Along with a 72-pack of pre-sharpened Ticonderoga pencils, 1200 sheets of 100% recycled printer paper and 500 sheets of College Rule Paper



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## CLEAN CLASSROOM PACK

Whether fighting Covid-19, the common cold, or the common 4 year old, this set will help you keep the germs at bay.

- 10 pack of Clorox Wipes (850 total)
- (2) bottles of 128 ounce GermX Moisturizing Hand Sanitizer with pump
- 24 boxes of Kleenex