

ENERGY INVESTIGATION



TRY SOME HANDS ON RENEWABLE ENERGY CHALLENGES, LOOK CLOSELY AT ENERGY USE IN YOUR SCHOOL, OR START YOUR OWN SCHOOL ENERGY PATROL WITH OUR KIT.



1

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.



2

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.



3

STUDENT ENERGY PATROL KIT

- Set of 4 Plastic Storage Clipboards with clip, pen and paper holder
- Set of 4 Yellow Safety Vests
- Set of 4 "Energy Patrol" Buttons
- Set of Green, Yellow, and Red Energy Patrol Door Hangers
- Set of 20 "Turn off the lights" Switch Stickers

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. KEEP AN EYE ON INDOOR CARBON DIOXIDE LEVELS. OR TALK TO PARENTS ABOUT HARMFUL VEHICLE EMISSION IN THE CAR PICK-UP LINE.

4



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.



5

BISSELL MYair Air Purifier 2780A

MYair has a 3-in-1 High Efficiency, Activated Carbon and Pre-Filter that captures 99.7% of 0.3 micron particles or larger on sleep mode, including pollen, dust, smoke, and dander. Filters the air approximately five times per hour in 88 ft² rooms.

6

NO-IDLE ZONE SIGNAGE

Set 2 of No Idling Signs to use in the parent pick-up line. All-weather for indoor or outdoor use. Can get wording in English, or English and Spanish if desired.



SCHOOL SITE INVESTIGATION



STUDENTS CAN MEASURE A VARIETY OF OUTDOOR SPACES ON CAMPUS, INCREASE WILDLIFE DIVERSITY, OR GET THEIR HANDS DIRTY BY DIGGING IN THE GARDEN.

7



SCHOOL SITE INVESTIGATION KIT WITH MEASURING WHEEL, CIRCUMFERENCE TAPE, FIELD GUIDE SET AND TREE FLAGGING TAPE

You'll have help with your School Site investigation with this great kit. Measuring wheel will make easy work of measuring outdoor spaces. Circumference Tape will help in measuring trees to determine their "diameter-at-breast height" (aka the size of your trees). Tree flagging can help tag different species, or trees that have damage or disease. Field Guide helps with identifying birds, trees, wildlife and wildflowers around campus.



8

WILDLIFE KIT FEATURES WINDOW MOUNTED BIRD FEEDER, BLUEBIRD BOX AND BAT HOUSE

Want to provide more habitat for wildlife on campus? Look no further than this wildlife kit. With a wide-angled perch, removable seed tray and squirrel protection you and your students can watch the birds that come to feed at your classroom window. Cedar Bluebird House has easy clean out doors, proper ventilation, fledgling kerfs and predator guard. Bats are an important part of nature's ecosystem and a bat house encourages them to roost in an area that will provide benefits to your environment

9

6 SETS OF 3-PIECE GARDEN HAND TOOLS - TROWEL, TRANSPLANTER AND CULTIVATOR, BY EDWARD TOOLS

Let your students dig in the garden! You will receive 6 sets of 3 tools, for a total of 18 tools. Tools are durable and easy to hold and handle for all ages. They are 10" in size, and composed of 70% nylon and 30% fiberglass plastic - these tools are stronger than steel while being much more lightweight. The one piece design means the head of each hand tool will always stay securely to the handle. All Edward Tools products come with a lifetime warranty.



WASTE & RECYCLING INVESTIGATION



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



10

RUBBERMAID RECYCLING WASTEBASKET, BLUE, 7 GALLON - SET OF 12

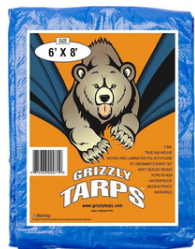
Gain control of your classroom recycling! With 7 gallons of capacity and designed to fit neatly under your desk, this is an easy and effective way to recycle paper or small quantities of recyclables. You will get 12 total recycle bins.



11

VIVOSUN 43-GALLON TWIN CHAMBER TUMBLING COMPOSTER

Avoid digging and mixing your compost pile by hand. Two separate chambers allow one side to finish composting while leaving the other side available to add fresh wastes; Constant alternation of the two sides will create an uninterrupted stream of nutritious compost. Air vents allow better circulation and breakdown of materials. Includes a pair of Garden GI



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WASTE AUDIT KIT

Be ready with everything you need to do a school or cafeteria waste audit. Kit includes set of 5 5-gallon buckets with 25 liners, 6'x8' tarp, pack of disposable latex free gloves (you choose the size), 10 pack of safety glasses, 10 disposable gowns, and a digital spring scale for weighing waste.

WATER 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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IMPRESSIONS CAPRI 50-GALLON RAIN SAVER

The Impressions Capri 50-Gallon Rain Saver reinvents how you harvest rainwater. This 50-gallon rain barrel is sturdy and one of the most eye-catching rain barrels on the market. The exterior features a unique striated clay texture. With a deep welled top, you can plant an array of floral arrangements or even a small herb or vegetable garden. The top also includes the Good Ideas original, integrated overflow channel. This channel automatically diverts all overflow water to the front of the barrel and keeps your foundation from flooding. The large downspout opening allows use with both 2 x 3 or 3 x 4 downspouts. Covering the downspout opening is a soft, fine mesh, plastic screen to keep out heavy debris and insects. Two offset spigot locations are also included. Use a five-gallon bucket or hose simultaneously without issue—or use the additional spigot as an overflow into a second barrel.



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OUTDOOR WATERING KIT- INCLUDES DRIP IRRIGATION KIT, 2-WAY HOSE SPLITTER AND PROGRAMMABLE HOSE TIMER

This kit includes everything you need to get started watering your school gardens as efficiently as possible.

- Hose Timer has easy programming allowing you to set start time, duration, and frequency, so you can customize your watering schedule.
- This micro drip irrigation kit is suitable for an area of 160 square feet. You can water all your plants at one time with 200FT + 26FT irrigation tubing. Simple installation without digging or plumbing skills. Instructions included.
- The 2 way garden hose splitter has long handles (4 cm) which allow for smooth and easy shut on and off. The water hose splitter is also able to rotate 360 degrees, allowing you to move hoses in all directions.



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(1) HYDROPOWER, AND (5) CLEAN WATER SCIENCE KITS

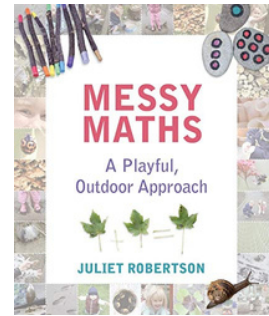
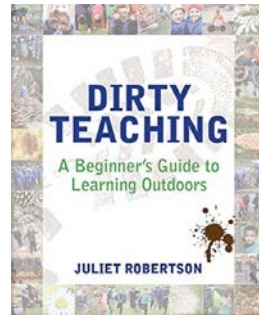
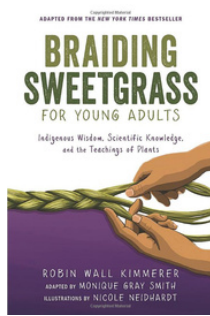
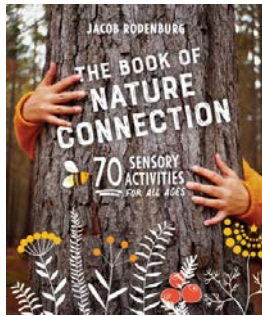
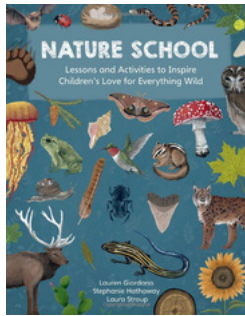
- Hydropower has been used for hundreds of years in watermills and is now commonly used to generate electricity in applications such as hydroelectric dams and Tidal power plants. Explore the power of water by building models and conducting experiments with them.
- The 4M Clean Water Science Kit teaches young minds about the science of water purification and recycling. This kit contains all the components necessary to perform three different experiments: solar water purification, water desalination, and a carbon filtration system. You will receive 5 of these kits so students in small groups can experiment.

BOOKS FOR INQUIRING MINDS



ADD SOME BOOKS TO YOUR CLASSROOM LIBRARY THAT INCLUDE "GREEN" TOPICS

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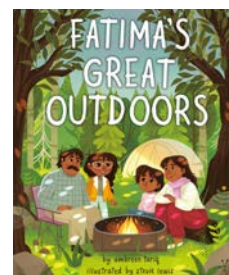
BOOKS FOR TEACHERS

Includes all five books.

- **Nature School** is your destination for kid-friendly nature learning, where you can explore the natural world through engaging reading, beautiful illustrations, and more than 30 hands-on activities.
- The **Book of Nature Connection** is packed with fun activities for using all our senses to engage with nature in a deep and nourishing way.
- Adapted for young adults by Monique Gray Smith, this **Braiding Sweetgrass for Young Adults** reinforces how wider ecological understanding stems from listening to the earth's oldest teachers: the plants around us.
- **Dirty Teaching: A Beginner's Guide to Learning Outdoors**, provides teachers who want to take their practice outdoors with strategies to minimize bureaucratic barriers, tactics to seamlessly integrate indoor and outdoor teaching, and countless cross-curricular activities that can be implemented with minimal resources.
- In **Messy Maths: A Playful, Outdoor Approach for Early Years**, Juliet Robertson offers a rich resource of ideas that will inspire you to tap into the endless supply of patterns, textures, colours and quantities of the outdoors and deepen children's understanding of maths through hands-on experience.



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BOOKS FOR STUDENTS

You will receive all 8 books

- **Compost Stew: An A to Z Recipe for the Earth** - From apple cores to zinnia heads, readers will discover the best ingredients for a successful compost pile in this fun picture book perfect for Earth Day!
- **Our Planet! There's No Place Like Earth**. Earth is home to all the plants and all the animals in the solar system, including nearly eight billion people. Humans have accidentally moved Earth's climate change into the fast lane, and she need your help to put on the brakes.
- **This Class Can Save the Planet** shows students they can have an incredible impact on the environment when they work together. It offers easy ideas kids can implement right away in their own schools and classrooms.
- **Not for me, please!** - Join Luke as he decides to take action and make a big impact on the world around him through reduce, reuse and recycling.
- **What a Waste** - This educational book will teach students about how our actions affect planet Earth and the big impact we can make by the little things we do.
- **Sila and the Land** is the story of a young girl who goes on a journey and along the way meets different animals, plants and elements that teach her about the importance of the land and her responsibilities to protect it for future generations.
- **Me and My Sit Spot** - What is a sit spot and how does it help nurture our relationship with the land? Developing this nature routine for yourself and your learners leads to so many possibilities for learning about our land and how we fit into it.
- In **Fatima's Great Outdoors** - An immigrant family embarks on their first camping trip in the Midwest in this lively picture book by Ambreen Tari