









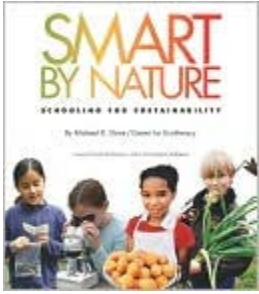
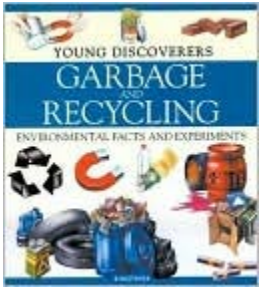
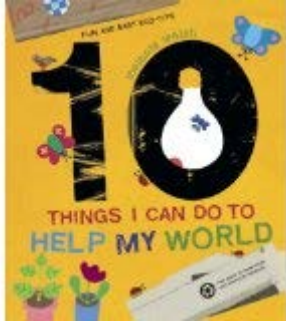


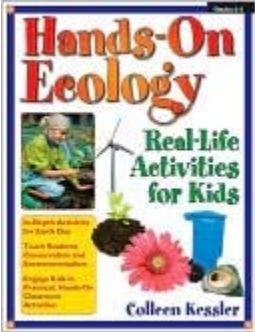
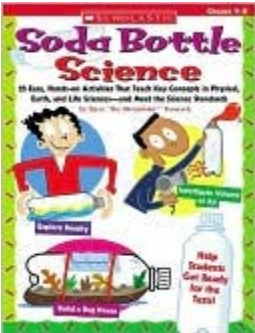
**Elementary School
2011-2012 School Year GreenPower Kit**

Item	Description	Grades	Quantity
 <p>Solar Train</p>	<p>Solar energy is a renewable resource; make full use of the sun's light and heat energy, to replace non-renewable resources.</p> <p>Understanding of the role of leverage and gear linkage can produce high efficiency.</p> <p>Learn how light can generate electricity!</p> <p>NO BATTERIES NEEDED...JUST IMAGINATION. The Young and Strong Solar Train is designed to teach children how solar power is used to drive a small motor and the benefits of solar energy.</p>	PreK - 2	3
Item	Description	Grades	Quantity
 <p>KidWind Mini Blade Design Wind Turbine Farm</p>	<p>Perform experiments and demonstrate the power of wind. Produces enough electricity to power LED bulbs, a small power output board that plays music, and other small load devices. May be combined to create wind farms and even pump water.</p> <p>Included: User manual, standard blade set, tower parts, power output board, alligator clip cords, 12 hole crimping hubs and dowels for testing blade designs, a digital multimeter for measuring voltage and amperage, and 4 ft. wire to perform wind farm experiments</p> <p>Basic assembly: 10-20 minutes with some adult supervision.</p>	K – 5	3

Item	Description	Grades	Quantity
<p data-bbox="338 212 594 240">Kidwind Voltmeter</p> 	<p data-bbox="709 212 1556 310">See the voltage output of your wind turbine with this LED visual voltmeter. Attach to a wind turbine, solar panel, or other 1-10 volt electrical device. This meter only records voltage.</p>	K - 5	3
Item	Description	Grades	Quantity
<p data-bbox="254 617 676 644">KidWind Sound & Light Board</p> 	<p data-bbox="709 610 1591 708">Attach this power output board to a wind turbine or solar panel and see if you can generate enough power to play music or light an LED bulb.</p>	K - 5	3
Item	Description	Grades	Quantity
<p data-bbox="285 1040 644 1068">Kidwind Pump & Cylinder</p> 	<p data-bbox="709 1040 1541 1105">This mini water pump can be used to demonstrate and measure power output and is suitable for a wide range of projects.</p> <p data-bbox="709 1117 1583 1182">The pump is sealed and can be fully immersed in water. It operates on 2 V—6 V power.</p> <p data-bbox="709 1193 1446 1226">Comes with a cylinder and tube or as a water pump only.</p> <p data-bbox="709 1237 1562 1367">Although a single MINI will not power the water pump on its own, wiring two or more MINI turbines in parallel will give you enough power to pump water. Try adding one MINI at a time to see how it affects the amount of water being pumped!</p>	K - 5	1

Item	Description	Grades	Quantity
<p data-bbox="352 175 579 203">EcoRacer-Water</p> 	<p data-bbox="709 175 1591 305">Introducing a brand new line of fast and fun RC mirco-cars that run on clean energy! The toy car's function is linked to a source of clean energy, combining remote control fun with educational and environmental themes.</p> <p data-bbox="709 321 1562 418">The Water Power Eco-Racer is a remote controlled micro car that comes with a real fuel cell station that stores energy using water's basic elements.</p> <p data-bbox="709 435 1583 532">The micro-car also comes with a neat docking station, a remote control, assembly guide and cool poster on how hydrogen fuel cells really work.</p>	K – 5	2
Item	Description	Grades	Quantity
<p data-bbox="352 675 575 703">EcoRacer-Wind</p> 	<p data-bbox="709 675 1541 773">The Wind Power Eco-Racer is a remote controlled micro car that comes with a real working miniature wind turbine that is able to charge the car using natural energy from the wind.</p> <p data-bbox="709 789 1583 886">The micro-car also comes with a neat docking station, a remote control, assembly guide and cool poster on how wind turbines really work.</p>	K – 5	2
Item	Description	Grades	Quantity
<p data-bbox="352 1130 575 1157">EcoRacer-Solar</p> 	<p data-bbox="709 1130 1549 1227">The Solar Power Eco-Racer is a remote controlled micro car that comes with a real working miniature solar power charging station that recharges the car using energy from the sun.</p> <p data-bbox="709 1243 1570 1341">The micro-car also comes with a neat docking station, a remote control, assembly guide and cool poster on how solar panels really work.</p>	K – 5	2

Item	Description	Grades	Quantity
<p>Smart by Nature: Schooling for Sustainability</p> 	<p>What would a green school or an eco-schooling curriculum look like? <i>Smart by Nature: Schooling for Sustainability</i> offers firsthand accounts and strategies for greening campuses, rethinking school food, and transforming schools into model sustainable communities. Rooftop gardens and innovative designs are serving as living laboratories in which educators teach energy conservation, resource management, and earth sciences. Inspiring success stories from public and independent schools across the country. Practical "what you can do" checklists and pages of resources make this a 21st century guide for our educational future.</p>	K – 12	1
Item	Description	Grades	Quantity
<p>Garbage and Recycling Rosie Harlow and Sally Morgan</p> 	<p>Explaining the difference between biodegradable and non-biodegradable garbage, this book shows how glass, metal, and wool can be easily recycled. "How Can I Help?" boxes give suggestions for the young environmentalist who wants to recycle at home.</p>	K - 6	1
Item	Description	Grades	Quantity
<p>Ten Things I Can Do to Help My World by Melanie Walsh</p> 	<p>A thoroughly successful presentation on how even small changes in lifestyle can make a big difference. On each spread, a large and colorful acrylic painting is accompanied by a sturdy die-cut flap & eco-friendly tips. Each suggestion opens with "I," followed by a verb, such as "remember," "try," and "always." The sentence is completed under the flap, along with a reason why the tip is conservation friendly. Visually appealing and effective in its presentation, this title will serve as an introduction to environmental studies. Its appealing visuals and large size make it perfect for group sharing.</p>	PreK - 2	1

Item	Description	Grades	Quantity
<p>Hands-On Ecology: Real-Life Activities for Kids by Colleen Kessler</p> 	<p><i>Hands-On Ecology</i> develops children's fascination with their world by giving them a front-row seat in the exploration of various ecological habitats. The book gives teachers the tools they need to create an extensive, in-depth study of ecology, including background information on ecosystems, how to set up a hands-on study of their local ecosystem, a look at how human populations affect the environment, and viable ways classrooms can contribute to conservationism.</p>	3 - 5	1
Item	Description	Grades	Quantity
<p>Soda Bottle Science: 25 Easy, Hands-on Activities That Teach Key Concepts in Physical, Earth, and Life Sciences-and Meet the Science Standards by Steve Tomecek</p> 	<p>A thermometer, a water-cycle model, a wave machine, a greenhouse—these are just a few things students can make out of a simple soda bottle. This book features learning-rich, hands-on activities that teach about the weather, motion, changes in matter, ecosystems, and more. A fun and easy way to meet the National Science Education Standards!</p>	4 - 8	1