

## OK GREEN SCHOOLS PROGRAM TOOLKIT INVENTORY 2010

<b>TOOL</b> <i>(Prices of each tool listed below do not reflect tax or shipping)</i>	<b>USE</b>
<p><b>Light Meter - Digital LCD Luxmeter Lux foot-candle</b> –(Replacement cost: \$59.99 from Ruby-Electronics.com)  <b>PLEASE DO NOT EXPOSE LENS TO DIRECT SUNLIGHT!</b></p>	<p>Certified dual function digital light meter / Lux - fc meter with 4-digit LCD display. This newly designed digital light weight device gives you long lasting power with accurate measurement in Lux and foot-candle. <b>NOTE: PLEASE DO NOT EXPOSE LENS TO DIRECT SUNLIGHT!</b></p>
<p><b>TIM10 CO2 Meter</b> (Replacement cost: \$189.95 with 20% approved discount from CO2meter.com)</p>	<p>Measures CO2, Temperature, Relative Humidity (%RH)  <b>NOTE: SEE CALIBRATION INSTRUCTIONS ON BACK OF THIS SHEET.</b></p>
<p><b>Non-Contact Mini-Infrared Thermometer #4KY57</b>                      (Replacement cost: \$47.68 from Grainger.com)</p>	<p>Sensitive infrared thermometer that measures temperature in hard-to-reach, hot, rotating, or dangerous locations. Makes it easy to check electrical panels, ballasts, fuses, cables, wires, HVAC heat exchangers, furnace exteriors, and vents.</p>
<p><b>Western Sportsman 50# Spring &amp; Hook Scale #14-0304-W</b> (Replacement cost: \$17.90 from oldwillknottscales.com)</p>	<p>Weighs garbage &amp; recycling</p>
<p><b>Centigrade Field Thermometer #T-16036</b>                      (Replacement cost: \$19.95 from Acorn Naturalists)</p>	<p>Lab/field thermometer does not contain mercury, mineral spirits, or alcohols, but rather a biodegradable green dye that is safe in any environment should the thermometer break. Attach string to top loop for immersion in water. <b>NOTE: ALL THERMOMETERS SHOULD BE STORED AT A SLIGHT ANGLE (BASE DOWN) TO PREVENT SEPARATION.</b></p>
<p><b>Kill-A-Watt Electricity Load Meter &amp; Monitor</b>                      (Replacement cost: \$18.99 from NewEgg.com)</p>	<p>Just plug appliances, lamps and computers into the Kill-A-Watt electricity usage monitor and it will tell you how efficient they are. LCD display measures consumption by the kilowatt-hour, just like the electric company. Calculate electrical expenses by any period while checking the quality of your incoming power by monitoring the voltage, like frequency and power factor.</p>
<p><b>AM Conservation Flow Meter Bag</b>                      (Replacement cost: Cost \$1.25 from EnergyFederation.org)</p>	<p>Bag measures shower and faucet water use  <b>NOTE: GREEN SCHOOLS MAY KEEP THIS ITEM.</b></p>
<p><b>Discriminator Ballast Tester</b> (Replacement cost: \$45.00 from www.lightinginc.us)</p>	<p>A ballast regulates the amount of electricity that flows into a fluorescent light. Some ballasts are magnetic (have been around since the beginning) and some are electronic (25% more energy efficient). Point the ballast tester at the light fixture; if it turns green, the ballast is electronic and orange means it is magnetic.</p>

<p><b>CD-EPA Indoor Air Quality (IAQ) Tools for Schools #402C05001</b> (free from EPA's National Service Center: <a href="http://www.epa.gov/nscep">www.epa.gov/nscep</a>)</p>	<p>CD-Rom contains easy-to-follow guides, checklists, Road Map, sample memos and policies, recommended IAQ management plan, a unique problem-solving wheel, and asthma companion piece, a fact sheet, and background information. <b>NOTE: GREEN SCHOOLS MAY KEEP THIS ITEM.</b></p>
<p><b>CD-Energy Smart Schools Solutions</b> (free from US Dept of Energy, Energy Efficiency &amp; Renewable Energy: <a href="http://www.eere.energy.gov/informationcenter">www.eere.energy.gov/informationcenter</a>)</p>	<p>CD-Rom containing energy conservation case studies; tips on retrofitting, operating and maintaining existing buildings; financing information, etc. (These resources and more, including K-12 curriculum, are also available online here: <a href="http://www.energysmartschools.gov">http://www.energysmartschools.gov</a>) <b>NOTE: GREEN SCHOOLS MAY KEEP THIS ITEM.</b></p>

### CO2 Meter Calibration for Desktop/Wall Units

Your CO2 meter was calibrated at the factory. After several weeks of storage, the calibration may drift slightly. The solution is easy: **plug your CO2 meter in and leave it turned on for at least 23 days**. The patented Automatic Background Calibration (ABC) technology means that every day the CO2 meter is left plugged in, it will become more accurate. You can speed up ABC by plugging the CO2 meter in inside a room that has constant source of outside air or one that people never use (like a shed).

**Need documentation?** If you need a manual or software drivers, go to [www.co2meter.com](http://www.co2meter.com), click on the product you purchased, and the manual and drivers are available on the bottom of the product's page for download.