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Changing the world ... one school at a time : promoting environmental awareness education school-wide

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Websites, Magazines and Books...take a look

Websites:

www.greenteacher.com

www.wecansolveit.org

www.buildgreenschools.org

www.childrenoftheearth.org/teachers

www.gogreenoc.com

www.treesmart.com

www.myfootprint.org

www.greenpeace.org

www.treehugger.com

www.auspen-markers.com

Books/Magazines:

Rethinking Globalization: Teaching for Justice in an Unjust World by: Bill Bigelow and Bob Peterson

Blue Print for a Green School by: Janyl Chase

Greening School Grounds: Creating Habitats for Learning by: Tim Grant

Teaching Green: The Elementary School Years by: Tim Grant

Wisdom for a Livable Planet by: Carl McDaniel

Yes! Magazine

The Green Teacher Magazine

In the end we will conserve only what we love. We love only what we understand. We will understand only what we are taught." –Baba Dioum, Senegalese Ecologist

This school guidebook was made available to provide teachers, administrators, and students with different resources, ideas, facts, and suggestions for the future goal of improvement of environmental awareness education school-wide.

Changing the World...One School at a Time:
Promoting Environmental Awareness Education School-wide

A Capstone Project by:
Jenna Beer



Interesting Facts

- If just 25% of U.S. families used 10 fewer plastic bags a month, we would save over 2.5 BILLION bags a year.
- Every ton of recycled office paper saves 380 gallons of oil.
- About 1% of U.S. landfill space is full of disposable diapers, which take 500 years to decompose.
- Energy saved from one aluminum can recycled will operate a TV set for 3 hours, and is the equivalent to half a can of gasoline.
- One ton of carbon dioxide that is released in the air can be prevented by replacing every 75 watt light bulbs with energy efficient bulbs.
- Already over half of the world's tropical forests have been lost.
- Every year approximately four billion tons of carbon accumulates in the air each year, about 30% of this comes directly from the continued burning of the rainforests.
- Average American creates 4.5 lbs. garbage a day -- an amount doubled from 30 years ago.
- The United States is responsible for almost 25% of the world's total energy consumption. We use one million gallons of oil every two minutes.
- Ice is melting worldwide, especially at the Earth's poles. This includes mountain glaciers, ice sheets covering West Antarctica and Greenland, and Arctic sea ice.

Interesting Facts Continued

- Some butterflies, foxes, and alpine plants have moved farther north or to higher, cooler areas.
- We could cut our nation's energy consumption in half by the year 2030 simply by using energy more efficiently and by using more renewable energy sources. In the process, we would promote economic growth by saving consumers \$2.3 trillion, and by producing one million new jobs.
- Average temperatures in the Arctic have risen at almost twice the rate as temperatures in the rest of the world over the past few decades.
- Sea level is rising along most of the U.S. coast, and around the world. In the last century, sea level rose 5 to 6 inches more than the global average along the Mid-Atlantic and Gulf Coasts, because coastal lands there are subsiding.
- The West Antarctic Ice Sheet contains enough ice to raise sea level by 5-6 meters (17-20 feet).
- The Greenland ice sheet contains enough ice to raise sea level about 7 meters (23 feet).

All facts were taken from websites and books listed in this brochure



Tips for in the classroom and around the school

- Plant a tree
- Start a compost pile
- On a sunny day open the blinds, and turn off the lights. Better yet, take the students outside to enjoy nature
- Start a recycling program, and have one student from each classroom be the "recycle monitor," and switch weekly
- Encourage students to use re-useable water containers, like Nalgene instead of plastic bottles
- Think globally, eat locally
- Print on both sides of the paper
- Ask your school to use as least 30% post-consumer recycled paper
- Stand-by mode on computers and other appliances still use energy, unplug ALL appliances
- Use refillable whiteboard markers like AusPens
- Encourage students to use lunch pails rather than paper bags
- Have school maintenance set sprinkler times for coolest part of the day
- Ask School maintenance to check all toilets and faucets for leaks
- Incorporate environmental learning in lesson plans whenever possible
- If all new school construction and renovations went green starting today, energy savings alone would total more than \$20 million over the next 10 years
- Green schools save an average of \$100,000 per year