

Energy Educator's Workshop Internet Resources

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Name/location of resource	Grade level	Notes
National Energy Education Development (NEED)* http://www.need.org/index.php	K-12th	Teacher resources, student info books, workshops, newsletter, and resource catalog of curriculum and materials can be found on this website.
NSTA Learning Center http://learningcenter.nsta.org/default.aspx	K-12th	You can gain access to more than 3,300 different resources that cater to your preference for learning. Over 925 resources, such as journal articles, science objects and web seminars are available here for free.
Schools for Energy Efficiency http://www.seeprograms.com/	K-12th	A comprehensive program for schools to save energy and money by changing behavior throughout the district. SEE provides a systemized plan, educational awareness materials, training, and utility tracking for immediate and sustainable savings.
Climate Classroom Kids http://www.climateclassroomkids.org/index.aspx	K-12th	Made by the National Wildlife Federation, committed to creating age and developmentally appropriate materials to educate children about climate change and global warming. Materials include information, resources and tools to better understand climate change and its impact on wildlife and their habitat.
Energy Information Administration* http://www.eia.doe.gov/bookshelf/eer/kiddietoc.html	K-12th	Published by the National Energy Information Center (NEIC) to provide students and educators a list of generally available free or low-cost energy-related educational materials. Information sources and printable activities broken down by grade level.
U.S. Department of Energy-Energy Education* http://www1.eere.energy.gov/education/	K-12th	A variety of lesson plans and activities on energy efficiency and renewable energy. Search by subject and grade to see what sparks your interest, and then download the information to use it in the classroom.
Touchstone Energy Cooperatives https://touchstoneenergy.cooperative.com/public/index.html follow links: 'Programs/Events'; 'Energy Education'	K-5th	Touchstone Energy's Kids "Super Energy Saver" program featuring CFL Charlie is designed to teach children about energy, electrical safety and energy savings.
Xcel Energy http://www.xcelenergy.com/Company/Pages/Home.aspx follow links: 'Company'; 'Community'; 'Education Initiatives'	K-6th	Educational programs are designed to teach students about energy – how it is produced, how to use electricity and natural gas safely and how conservation helps us protect the environment.
Energy Hog http://www.energyhog.org/adult/educators.htm	2nd-6th	Classroom activities guide children through lessons about different sources of energy, how we use energy at home, and how to bust energy hogs to save energy. Additional resources include: energy hog scavenger hunt, energy vampire hunt, energy hog poster, and flip off the hog light-switch plate cover
Xcel Energy Classroom http://www.energyclassroom.com/	3rd-5th	Downloadable and interactive materials for teaching students about energy. Materials include: papers and projects, experiments to try, videos on energy topics, and fun interactive games and puzzles.
Global Warming 101 http://www.globalwarming101.com/	3rd-12th	Initiative raises broad public awareness about global warming as witnessed through Will Steger's polar expeditions. Provides recent credible and understandable information and educational activities focused on the critical issue of global climate change

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<p>Minnesota Energy Challenge http://www.mnenergychallenge.org/</p>	4th-12th	Website promotes public interest through the responsible and efficient use of natural and economic resources. Carbon Footprint tool can help you calculate and lower your household's current emissions. Information on joining the MN energy challenge.
<p>Great River Energy http://www.greatriverenergy.com/ follow link 'Education and Kids'</p>	5th-9th	Website produced by Great River Energy to provide educational resources about electricity for teachers and students. Site offers many links to information about safely using and generating electricity, as well as innovative ways to use less energy.
<p>KidWind Project http://www.kidwind.org/</p>	7th-12th	Provides teachers with resources to teach about wind energy. Free lesson plans, and numerous ideas for building an educational wind turbine. Website also provides information for students wanting to learn more about wind energy
<p>Minnesota Pollution Control Agency http://www.pca.state.mn.us/oea/ee/greenschools.cfm</p>	7th-12th	Discusses the benefits of green school use and conservation of resources. Includes general information and provides additional resources to more information on specific topics concerning green school benefits.
<p>Rural Renewable Energy Alliance http://www.rreal.org/</p>	9th-12th	Website is about solar energy. addresses rural poverty with solar heat, and break down the financial and informational barriers to the widespread use of solar energy. Teacher resources include information on solar basics, solar air heat, fuel poverty, and other links.
<p>Office of Energy Security http://www.state.mn.us/portal/mn/jsp/home.do?agency=Energy</p>	9th-12th	This new site contains all the energy information formerly found at the Department of Commerce website. Lots of resource information found here on moving toward a sustainable energy future, managing energy assistance funds, advocating in the public interest on energy utility rates and facility siting.
<p>Minnesota Schools Cutting Carbon http://www.schoolscuttingcarbon.org/</p>	9th-12th	Helping give public high schools and universities technical assistance and mini-grants to make their schools more energy efficient. The program is focused on helping schools reduce their carbon in two ways: 1. Supporting carbon-cutting student-led projects 2. Working on school building operation and maintenance improvements
<p>Project Green Fleet http://www.projectgreenfleet.org/</p>	9th-12th	A collaborative group organization with a goal to reduce pollution emitted by diesel vehicles such as Minnesota school buses. Project Green Fleet will help school districts, and other school bus operators using diesel vehicles reduce emissions by installing pollution-control equipment on their vehicles.
<p>Clean Energy Resource Team* http://www.cleanenergyresourceteams.org/</p>	High School	(CERTs) project is connecting people with the technical resources needed to identify and implement community-scale energy efficiency and clean energy projects.
<p>Communities for Responsible Environmental Demonstration http://www.creedproject.org/index.html</p>	Graduate Level Courses	CREED programs examine the relationship of energy, the environment and the economy in Minnesota. Website Offers information on continued education graduate credit courses for teachers, leading to an Energy Education Certificate.

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Alliance to Save Energy* http://ase.org/section/_audience/educators	K-12th	The Alliance to Save Energy offers educators a wide range of tools and resources to bring energy efficiency into the classroom to save energy while helping students build vital real-world skills. Includes a kids' page and info on the Green School Program.
EnergyNet* http://www.energynet.net/	K-12th	The power of telecommunications, the creativity of students and teachers, and the support of business and government have been combined to create a new vision for our educational system. Online project allows 6-12th graders to act as energy consultants for their schools
Windustry* http://www.windustry.org/communitywind	K-12th	Good resources for schools exploring wind power projects.
Energy Information Association's Kid Page* http://www.eia.doe.gov/kids/	K-12th	Teacher resources and lesson plans, kid activities, glossary, games, links and more.
Infinite Power http://www.infinitepower.org/	K-12th	Based in Texas, a websited dedicated to bringing information about renewable energy to citizens. Includes units of study for grades K-12, teacher resource guides, and renewable energy fact sheets.
Recycling Association of Minnesota http://www.recycleminnesota.org/	K-12th	The Ollie Saves the Planet CD ROM and Website Program is an industry-led interactive environmental education initiative that encourages children, their parents, teachers, and community groups to appreciate their connection to the natural world and to understand their "ecological footprint."
MN DNR Education Programs http://www.dnr.state.mn.us/education/index.html	K-12th	Here you will find links to all the DNR's environmental education programs, including Projects WET/WILD/Learning Tree, MinnAqua, School Forests, etc...

