

Organization	Website	Teacher	Student	Admin.	Notes
Alliance to Save Energy	www.ase.com	√		√	Alliance to Save Energy offers free hands-on, multidisciplinary educator lesson plans for elementary, middle and high school.
Consumers Energy - Kids Site	www.consumersenergy.com/kids	√	√		Section for teachers and students to help learn about energy.
Creative Change	www.creativechange.net	√			Creative Change provides professional development and curriculum for K-12 schools. The organization also develops courses and provides consulting for higher education institutions. They create educational programs in partnership with nonprofit and governmental organizations.
Department of Energy - Kids Page	www.eia.doe.gov/kids	√	√		Sponsored by the U.S. Department of Energy
Dr. E's Energy Lab	www1.eere.energy.gov/kids		√		Information for students presented in a fun format with flash
E.E.K.! Sustainable Futures Group	www.michigan.gov/energyoffice	√		√	Energy Education Kit Project (E.E.K!) offers a K-8 energy education curriculum module set and pilot teaching and learning program that emphasizes renewable and sustainable forms of energy.
The Electric Universe	www.aep.electricuniverse.com	√	√		Safety and educational site with sections designed for various groups
Energized Learning	energizedlearning.lbl.gov/	√	√		Sponsored by the U.S. Department of Energy
Energy Education and Training	www1.eere.energy.gov/education	√	√	√	Resources to help bring energy education into the classroom.
Energy Hog	www.energyhog.org	√	√		Web page for teachers and students on energy waste

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Energy Quest	www.energyquest.ca.gov	√	√		Fun online flash program for learning about energy
Energy Smart Schools	www.michigan.gov/eorebuild			√	Hands on classroom activities and ways for schools to improve their energy efficiency.
Environmental Education and Training Partnership	www.eetap.org	√		√	Site promotes achievement in the classroom through energy education. EETAP is a national leader in the delivery of environmental education training.
EPA - Climate Change Kids Site	www.epa.gov/climatechange/kids	√	√		Sponsored by the U.S. Environmental Protection Agency. Focuses on Global Warming and our climate.
EPA - Site for all	www.epa.gov/epahome/students.htm	√	√		Sponsored by the U.S. Environmental Protection Agency.
Great lakes Renewable Energy Association	www.glrea.org	√		√	GLREA has worked with the DOE and DTE to provide the Solar Schools Program to Michigan schools. They are working with MDEQ's energy curriculum module for teacher training.
Kid Wind	www.kidwind.org	√		√	Kid Wind offers three programs: 1) Kits to build wind turbines in the classroom, 2) PowerPoint presentations about wind energy for the classroom, and 3) Workshops for teacher and others who are interested.
Michigan Biomass Energy Curriculum	www.macd.org/macd_biomass.html			√	'The Michigan Association of Conservation Districts (MACD) created this curriculum to educate students about alternatives to conventional energy sources and how their choices can affect our environment.
Michigan Energy Office	www.michigan.gov/energyoffice			√	Information on government programs, incentives and grants

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Michigan Environmental Education Curriculum Support (MEECS)	www.michigan.gov/deq-meecs	√		√	MEECS covers topics such as energy consumption and use, electricity generation, renewable and non-renewable energy resources, energy conservation and efficiency, pollution prevention, ecological footprint, stewardship and sustainability.
National Energy Education Development Program (NEED)	www.need.org	√		√	NEED partners with DOE's Rebuild America and Energy Smart Schools programs by providing energy curriculum materials. They offer: 1) Workshops in energy for educators teaching K-12, and 2) an energy education curriculum.
National Renewable Energy Laboratory	www.nrel.gov/education/k12_students.html		√		NREL offers 4-12th grade programs such as the National Middle School Science Bowl, Junior Solar Sprint/Hydrogen Fuel Cell Car Competition and a High School Science Bowl.
National Teacher Training Institute	www.thirteen.org/edonline/ntti	√		√	Provides teachers with the vision, strategies, and resources to use in the classroom
Northern Options	www.northernoptions.org	√	√	√	This organization works with the Student Biodiesel Research program and offers tours of their energy efficient home.
Power Shift DVD	www.powershiftnow.org	√			This is a 26 minute DVD that targets middle school to high school students and features Cameron Diaz. Power Shift also offers accompanying curriculum.

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Project Learning Tree	www.plt.org	√		√	Project Learning Tree offers a pre-K-8 Environmental Education curriculum guide which covers such topics as water and air quality, ecology, urban environments, and recycling.
Solar Now	www.solarnow.org	√		√	Solar Now provides a curriculum framework which includes 1) Lists for educational goals for teachers, 2) Guides for teachers to create their own curricula, instructional material kits, assessment instruments and professional development activities, and 3) Empowerment Instruments for teachers and administrators.
U.S. Department of Energy	www.energy.gov	√		√	Features news and updates on what's happening with energy in our county.
Upland Hills Ecological Awareness Center	www.uheac.org	√		√	Upland Hills Ecological Awareness Center offers two ways to learn: 1) On-site tours or off-site presentations that include interactive, multi-media and hands-on demonstrations tailored for both adult and youth groups and 2) Eco-badge for Girl Scouts/ Energy Merit Badge for Boy Scouts.
Urban Options	www.urbanoptions.org	√		√	Urban Options offers tours of their energy Demonstration House, school programs, and energy lessons for youth. They provide a hands-on presentation to school age children where they will learn ways to save energy.

Alliance to Save Energy

<http://www.ase.org>

The Alliance to Save Energy promotes energy efficiency worldwide to achieve a healthier economy, a cleaner environment, and greater energy security.

- Up to date energy news
- Free hands on lesson plans

Consumers Energy – Kids Site

<http://www.consumersenergy.com/kids>

Sections for teachers and students to help learn about energy and ways to incorporate the activities into their classrooms.

- Curriculum resources
- Lesson Plans
- Educational Programs
- Online Quizzes & Puzzles
- Field Trip Ideas

Creative Change

<http://www.creativechange.net>

This site created by a former teacher offers professional development and other resources for K-12 classrooms

- Teacher Training
- Curriculum Resources
- Educational programs

Department of Energy – Kids Page

<http://www.eia.doe.gov/kids/>

- Energy facts, science, and conservation
- Classroom experiments and resources
- Related Links
- Glossary of Terms

Dr. E's Energy Lab

<http://www1.eere.energy.gov/kids>

Information for students presented in a fun format with flash available.

- Wind and Solar Energy
- Geothermal Energy
- Alternative fuels
- Energy efficiency

E.E.K.! Sustainable Futures Group

<http://www.michigan.gov/energyoffice>

(under resources / energy education)

The EEK! curriculum teaches students about energy with hands-on, science-based, interdisciplinary lessons. The EEK! curriculum is designed for students from Kindergarten to eighth grade. Theoretical concepts relating to energy production are woven into the materials.

- Lesson plans
- Teacher Resources

The Electric Universe

<http://aep.electricuniverse.com/html/index.html>

The Electric Universe is a safety and educational site with sections designed for various groups.

- Lesson plans
- References
- Experiment ideas
- Games for each age group

Energized Learning

<http://energizedlearning.lbl.gov>

Energized Learning is sponsored by the U.S. Department of Energy, office of Building Technology and includes information for teachers and students.

- Classroom – Material resources
- Links & Glossary of Terms
- Energy Myths

Energy Education and Training

<http://www1.eere.energy.gov/education>

Resources to help students, teachers, and administrators understand energy efficiency.

- Educational opportunities for teachers
- Lesson plans
- Student contests & science projects
- Alternative Fuel Vehicle Technology for busses

Energy Hog

<http://www.energyhog.org>

Web page provides information on how to learn where energy is wasted in the home and how to stop energy loss. The students' section focuses on ways to spot an 'energy hog.'

- Energy Hog challenge guides
- Green schools program
- Scavenger Hunt

Energy Quest

<http://www.energyquest.ca.gov/>

Fun online flash program for students and teachers to learn about energy in a new way. Site sponsored by the California Energy Commission.

- Resources for teaching
- Lesson plans
- List serve, and Education Bulletin Board
- Teacher training and workshops
- Interactive Games
- Science projects
- FAQ and Story of Energy sections

Energy Smart Schools

<http://www.michigan.gov/eorebuild> (under services)

EnergySmart Schools creates a unified effort to promote energy efficiency through energy education and school-wide participation.

- Teacher Education
- Classroom Activities
- Improve School Energy Efficiency

Environmental Education and Training Partnership

<http://www.eetap.org>

Web site for teachers which promotes achievement in the classroom through energy education for students. EETAP is a national leader in the delivery of environmental education training for educational professionals.

- CDs on teaching energy in the classroom
- Online classes
- Workshop and other training opportunities

EPA – Climate Change – Kids Site

<http://epa.gov/climatechange/kids>

Site sponsored by the U.S. Environmental Protection Agency. Focuses on global warming and gives students fun options to learn about the effects on our world climate.

- Flash animations (grades 5-9)
- Greenhouse gas calculators
- Classroom activity kits
- How to make a difference

EPA – Educational Site for all grade levels

<http://epa.gov/epahome/students.htm>

Links to information to help with teaching energy topics, getting recognition for your projects, and ways to help get students involved with energy efficiency. It also contains hundreds of links for each age group to find more information on our environment and energy use.

- PreK-4: Recycling, plants and animals, and environment
- Grades 5-8: Club projects, ecosystems, conservation

- Grades 9-12: Health and Safety, Ecosystems, Air and Water
- News and Publications
- Resources on all areas of our environment and energy consumption
- Awards for students
- Grants and workshops
- Community service projects

Great Lakes Renewable Energy Association

<http://www.glrea.org>

This program offers seminars and other resources for teachers to bring into the classroom. There are also learning opportunities for others within the district to learn about ways they too can save energy.

- Renewable Energy
- Solar photovoltaic training

Kid Wind

<http://www.kidwind.org>

The KidWind Project is a team of teachers, students, engineers and practitioners exploring the science behind wind energy in classrooms around the US.

- Teacher and other interested parties training
- Curriculum Resources

Michigan Biomass Energy Curriculum

http://www.macd.org/macd_biomass.html

Teaches students about biomass energy and how it affects the Greenhouse Effect. Curriculum is intended for high school students.

- Curriculum Resources

Michigan Energy Office

<http://www.michigan.gov/energyoffice>

Your stop to find information on government programs, initiatives, and grants.

- Energy audits
- Enrollment in Rebuild Michigan Program and Free services
- Up-to-date information about Energy in Michigan

Michigan Environmental Education Curriculum Support (MEECS)

<http://www.michigan.gov/deq-meecs>

Provides middle school students with the opportunity to learn more about Air Quality, Ecosystems & Biodiversity, Land Use, Energy and Resources, and Water Quality. The units have been field tested by 120 teachers in nearly 200 Michigan classrooms. The units can be used individually, or used together by a school system as the basis of a multi-year environmental education curriculum.

- Curriculum Resources

National Energy Education Development Program (NEED)

<http://www.need.org>

- Membership information
 - Catalog and material guides
- Curriculum Materials
- Training Programs
- Energy info Books and activities
- Other information
- Newsletters, polls, forums, youth awards.

National Renewable Energy Laboratory

http://www.nrel.gov/education/k12_students.html

NREL offers several programs to teach students about renewable energy sources. The science bowl and hydrogen fuel cell car competition are two events they facilitate.

- Science Bowl
- Student Tutoring
- Fuel Cell Car Competitions

National Teaching Training Institute

<http://www.thirteen.org/edonline/ntti>

The National Teacher Training Institute (NTTI) provides teachers with the vision, strategies, and resources they need to make dynamic use of classroom technology.

- Lesson plan database
- Free online workshops and classes
- Education events calendar

Northern Options

<http://www.northernoptions.org>

Tours are available for their energy efficient house. The house features innovative technologies such as SIPs, compact florescent bulbs, and more.

- Out of classroom experience
- Energy Efficiency

Power Shift DVD

<http://www.powershiftnow.org>

Cameron Diaz is featured on this 26 minute video about clean and renewable energy. Further educational materials are available.

- Curriculum resources

Project Learning Tree

<http://www.plt.org>

Environmental education program designed for teachers working with youth from pre-school through grade twelve.

- Curriculum guides
- Workshops and other training available
- Online store with books and other classroom resources for different age groups

Solar Now

<http://www.solarnow.org/>

Teaching resources for renewable energy and solar technology.

- Educational goals
- Guides to creating curricula
- Empowerment instruments for teachers and administrators

U.S. Department of Energy

<http://www.energy.gov>

A government web site with information for teachers to read up on what's happening in the federal government and Michigan involving energy.

- News updates on energy in Michigan
- Information available on all fifty states and energy news
- Links to all state energy offices

Upland Hills Ecological Awareness Center

www.uheac.org

The center offers tours and presentations with interactive, multi-media, and hands on demonstrations. There are also badges for Girl/Boy Scouts available to troops.

- Field trips
- Tours
- Badges

Urban Options

<http://www.urbanoptions.org>

Urban Options is a non-profit community agency which provides energy and environmental information and services. Urban Options seeks to improve the environmental quality of our Urban Spaces.

- Tours of their Demonstration House
- School programs and curriculum
- Field Trips with hands on presentations