EV Education

http://eveducation.com/ABOUT_%20EVEP.html

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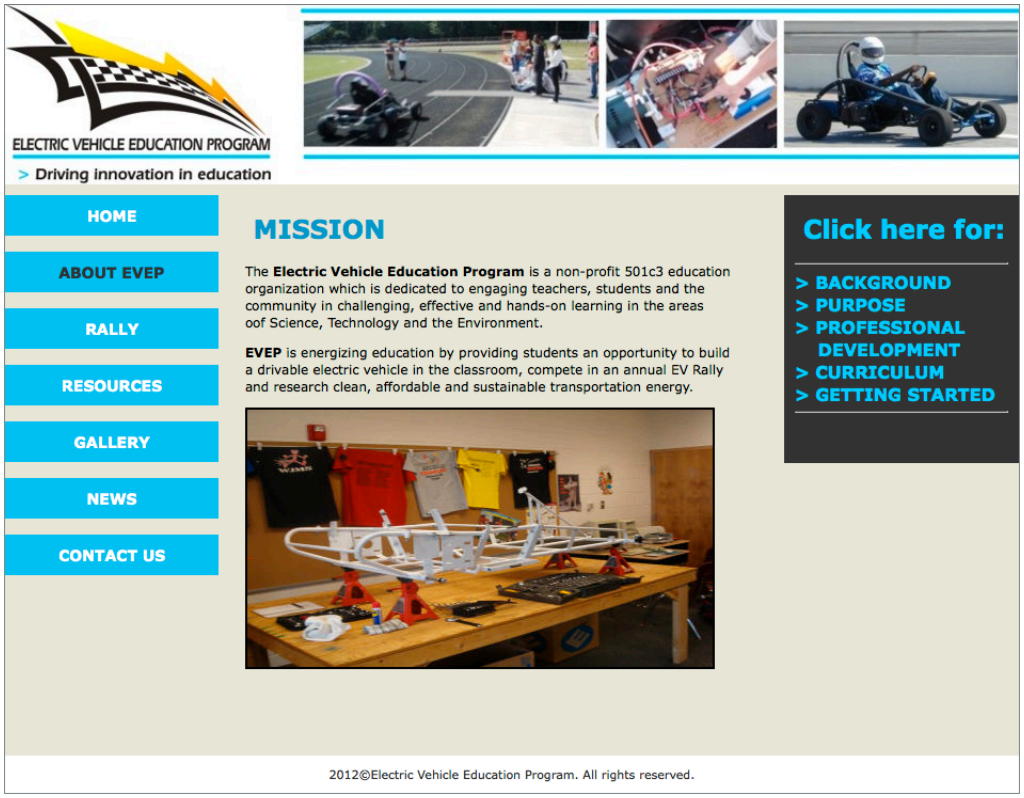


EVMASTER Powered by STEM™

http://www.evmasters.com/category/rally-info/

2012 Georgia EV Rally is March 24th

EVMaster (or electric vehicle master) is the perfect educational tool for STEM. (Science, Technology, Engineering and Math) as well as other subjects and curriculums:
Environmental Science.
Principles of Technology.
Principles of Manufacturing.
Introduction to Electronics, etc.
The tool is a full size, driveable (EVMaster) vehicle that you assemble in class following comprehensive instructions while displaying every imaginable scientific principle:
simple machines, measurement systems, material's properties, manufacturing technology, electricity, aerodynamics, etc….

Our program aligns with a standards-based, interdisciplinary curriculum that allows for authentic learning and assessment. It is a low cost, all included project, (even tools and curriculum) designed to build an exciting drivable electric vehicle in your classroom. EVMaster is the founder and supplier of the electric vehicle education program.

Mission Statement:
EV Master is an Educational program to help teachers and students to learn and understand about the many disciplines involved in the world of transportation and environmental science.
You will use our own electric vehicle emtv (electric master teaching vehicle) as the subject of demonstration. It keeps the interest and attention of the students while giving teachers a fabulous hands-on tool to demonstrate many principles of different disciplines, mainly Physics and Physical Science, but also, Math, Chemistry, Environmental Science, History, English… to name just a few.

Advanced Electric Drive
Vehicle Education Program

http://www.aedve.info/

Welcome to the Advanced Electric Drive Vehicle Education Program

The Advanced Electric Drive Vehicle Education Program, funded by the U.S. Department of Energy, provides information, educational opportunities, and outreach activities for multiple audiences to educate America on next generation vehicles. These audiences include: consumers, first responders, secondary school educators and students, charging infrastructure engineers and installers, automotive technicians, and fleet operators. The Advanced Electric Drive Vehicle Education Program includes:

- Specialized curricula and training featuring web-driven simulators, and a vehicle simulation and demonstration tool.
  - Electric Drive Vehicle First Responder Safety Training
  - Electric Drive Vehicle Automotive Technician Training
  - Electric Drive Vehicle Career & Technical Education Training
  - Electric Drive Vehicle Infrastructure Training
- Consumer-friendly educational materials, including the Advanced Electric Drive 101 Toolkit and website.
- Support of National Alternative Fuel Vehicle (AFV) Day Odyssey, where the general public can receive an up-close and personal view of advanced electric drive vehicles.

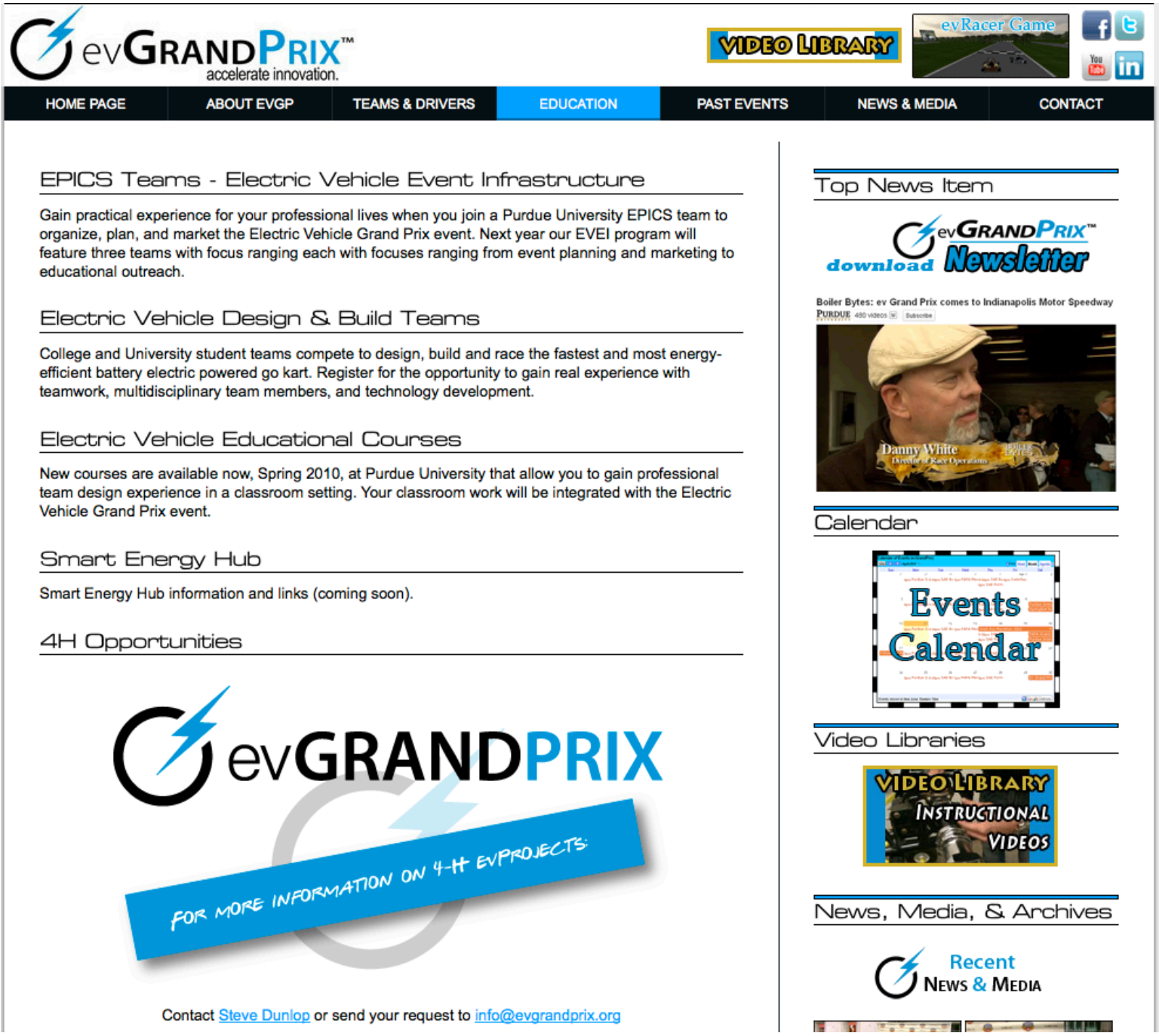
- Many education and outreach events including trade shows, exhibits, and other opportunities addressing advanced electric drive vehicles.

For more information about the Advanced Electric Drive Vehicle Education Program, please contact:

National Alternative Fuels Training Consortium
1100 Frederick Lane
Morgantown, WV 26508
304-293-7882

EV Grand Prix

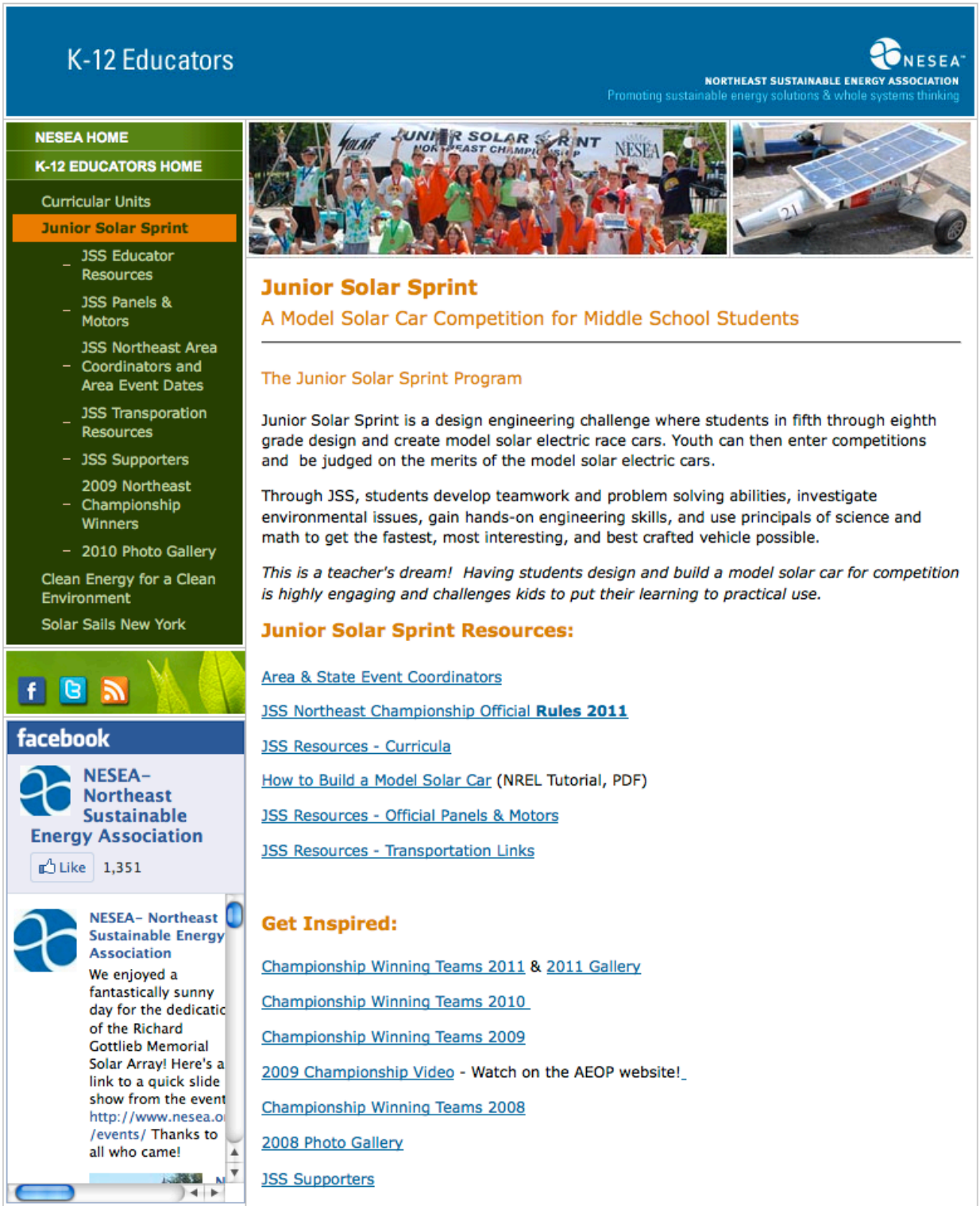
http://www.evgrandprix.org/education.php



Junior Solar Sprint

http://www.nesea.org/k-12/juniorsolarsprint/

Junior Solar Sprint (JSS) continues to be facilitated at the local and state level by a dedicated group of individuals, non-profits, and institutions. If would like to contact your area/state JSS Coordinator and are not sure who that individual is, please visit the National Renewable Energy Lab (NREL) for a listing of all coordinators. NREL also houses on-line JSS curriculum materials.



As of June 30, 2011, The U.S. Army Educational Outreach Program (AEOP) and AEOP Consortium Leader, Virginia Tech, are working to identify the next regional coordinator. If you have participated in JSS you will be alerted by the new coordinator. If you have any questions regarding the status of JSS in the northeast please contact Donna Augustine at Virginia Tech at donna.augustine@vt.edu.

It our sincerest hope that programs such as JSS provide opportunities for students to become informed and pro-active citizens, infused with a team-spirit approach to face the challenges that lie ahead with dignity and resourcefulness.

http://www.parksconservancy.org/about/press/press-releases/a-living-lab-crissy-field.html

Crissy Field Center Goes "Greener"

February 14, 2012

Media Contact
David Shaw, VP Marketing and Communications
415-561-3064; dshaw@parksconservancy.org

Center's New Wind Turbines, Car Charger Boost Energy Research, Educate Youth

San Francisco, CA: The Crissy Field Center—an urban environmental education center at East Beach in the Presidio—is unveiling on Wednesday, February 15, the final pieces to its suite of sustainable technologies: five state-of-the-art wind turbines and an electric-car charging station. With these additions, this facility is on track to attain LEED Platinum certification—making it one of the greenest buildings in America's national parks.

The Center—a partnership project of the Golden Gate National Parks Conservancy, National Park Service, and Presidio Trust—is housed in a 7,500-square-foot interim building that includes classrooms and learning labs for schoolchildren and youth, as well as the Beach Hut Café, which is open to the public. With features like maximized natural lighting and recycled construction materials, the entire facility is a showcase of environmentally-savvy design.

The new turbines and charging station—in addition to one of the most advanced building monitoring systems in the country—will provide invaluable data to the nascent field of renewable energy and help educate community members and young people about the latest sustainability solutions.

As a pilot project within the national parks to demonstrate energy innovations, this project aims to move the Center to net-zero power consumption. Some of these "green" components include:

1. **Solar thermal panels**: Will heat most of the water used at the Beach Hut Café by supplementing the traditional gas boiler.
2. **Rain catchment system**: A 5,000-gallon system will provide over 50 percent of the water used in the Center's toilets
3. **Photovoltaic systems or solar power panels**: Will generate a substantial portion of the electricity used at the Center.
4. **Wind turbines**: Five new wind turbines, each 30-feet tall, are being installed in front of the Center to harness the 10-mph (on average) winds to help power the building. The Hawaii Natural Energy Institute (HNEI), which provided funds for the project, will glean data on the efficacy of three types of vertical axis turbines (in contrast to propeller-like "horizontal axis" turbines). These "vertical-axis" turbines are designed to minimize noise and limit environmental impact, especially for birds and bats. The turbines are a pilot project intended to bolster real-world data in wind energy research, promote public interest in renewable technology, and generate clean power for Center operations.
5. **Electric car charger station**: A free electric charging station is being installed by Adopt-a-Charger in collaboration with a grant from the National Parks Conservation Association and support from the National Park Service. This pilot program is designed to accelerate the widespread adoption of plug-in vehicles throughout the proliferation of public, fee-free electric car chargers which are "adopted" by sponsors. The station has secured funding for three years.

"Golden Gate National Parks is committed to sustainability," said Frank Dean, General Superintendent of the Golden Gate National Recreation Area. "Advancement of new technologies, rethinking park operations, and

investing in our future by educating the next generation all contribute to our overarching goal of energy efficiency and conservation."

A custom designed monitoring system and "dashboard" designed by Loisos and Ubbelhode in conjunction with Project FROG and the Conservancy staff, will track energy production and consumption along with other aspects of the building's performance. This will serve as a powerful education tool for the community by providing data in real time and also advance the Center's existing robust science and sustainability solutions curriculum for youth. The goal is to offer the public information about local power generation with small-scale wind turbines and other sources. Students from Galileo Academy of Science and Technology will monitor the project's energy efficiency as part of their environmental studies class in partnership with Crissy Field Center.

"The Crissy Field Center serves more than 20,000 students every year through its environmental education programs," said Greg Moore, President and CEO of the Golden Gate National Parks Conservancy. "Today, the Center has taken another important step toward fulfilling its potential as a living laboratory for youth interested in pursuing green careers. Crissy Field was transformed in 2001 from an abandoned army site to a beautiful shoreline national park. And it continues to grow as a testament to the Bay Area's ethic, dedication, and passion for environmental protection."

BRIDGESTONE Your Journey, Our Passion

Electric tudents

http://www.bridgestone.com/responsibilities/corporate_citizenship/activities/americas01.html

A group of high school students from the DeLaSalle School in Kansas City, Missouri, and their mentors, including engineers from Bridgestone Americas' Technical Center in Akron, Ohio, have just concluded tests on a student-built electric car at Bridgestone's Texas Proving Grounds -- and may have set a world record for efficiency. The all-electric vehicle was built as a class project under the direction of instructor. With the help of automotive mentors, the students have created a plug-in electric car based on the chassis of an Indy Car. The students developed the driveline, electric propulsion system and full, ultra lightweight aerodynamic body. The car, which is mounted on Bridgestone ECOPIA tires, showed remarkable results in testing -- test runs reported efficiency levels that would be the equivalent of more than 300 miles per gallon. The instructor is currently petitioning Guinness World Records to consider the students' accomplishments as a new world record.

2nd THINK BEFORE YOU DRIVE Inter-University Contest
Mexico (Bridgestone Mexico)

After the launch of MAKE CARS GREEN, Bridgestone Mexico(BSMX) began activities in the field, conducting free tire checks in gas stations nationwide and in vehicle emissions testing centers in Mexico City. Throughout the year, BSMX promoters reached more than 3,500 tire check-ups in 22 gas stations and 6 vehicle centers, with the distribution of more than 50,000 MCG leaflets and tire gauges, and advising motorists of the correct process to check tire pressure. To implement the campaign, BSMX established effective partnerships with local environmental associations.

Solar Curriculum

http://www.fpl.com/community/learning/solarstations.shtml

FPL provides solar curriculum materials to participating schools and hosts teacher professional development programs to help educators learn about energy - especially solar energy - and how to integrate solar education into their classrooms. FPL works with the Florida Solar Energy Center and the NEED Project to provide curriculum resources to schools.

NEED Curriculum Materials for a foundation of energy knowledge and for solar are downloadable below: The NEED Curriculum Kit includes:

- 2010-2011 NEED Resources Catalog
- The Blueprint for Success
- Energy Games and Icebreakers
- Energy Projects and Activities
- Primary Energy Infobook
- Elementary Energy Infobook
- Intermediate Energy Infobook
- Secondary Energy Infobook

To learn more about solar energy, NEED has developed four levels of curriculum materials on solar:

- Primary - The Sun and Its Energy (pdf)
- Elementary - Wonders of the Sun Teacher Guide (pdf)
- Elementary - Wonders of the Sun Student Guide (pdf)
- Intermediate - Energy from the Sun Teacher Guide (pdf)
- Intermediate - Energy from the Sun Student Guide (pdf)
- Secondary - Photovoltaics Teacher Guide (pdf)
- Secondary - Photovoltaics Student Guide (pdf)

The NEED Schools Going Solar Guide has research and analysis lessons using the data projected from the school solar installation.