

## **Free Energy Curriculum and Lesson Plans from the National Energy Education Development (NEED) PROJECT**

The mission of the National Energy Education Development Project is to promote an energy conscious and educated society by creating effective networks of students, educators, business, government and community leaders to design and deliver objective, multi-sided energy education programs.

### **Energy Infobooks**

The Energy Infobooks are the cornerstone of NEED programming, providing content information about each of the nation's energy resources, new technologies, and the use and conservation of energy.

<http://www.need.org/EnergyInfobooks.php>

Lesson Plans to accompany Energy Infobooks

<http://www.need.org/EnergyInfobooksActivities.php>

### **Energy Kit**

This kit contains the Teacher Guides necessary to implement a NEED program in a classroom or through extracurricular activities.

<http://www.need.org/curriculum.php>

Here is a list of topics, if you would like to pull out individual lessons.

### **Primary (K-2)**

[Energy Fair](#)

[Exploring Magnets](#)

[NEED Songbook](#)

[Primary Energy Carnival](#)

[Primary Energy Infobook Activities](#)

Primary Science of Energy [Teacher Guide](#) and [Student Guide](#)

[Primary Stories and More](#)

[Saving Energy Flipbook](#)

[The Sun and Its Energy](#)

[Today in Energy](#)

[Trash Flipbook](#)

[Wind is Energy](#)

### **Elementary (3-5)**

[Biodiesel](#)

Building Buddies [Teacher Guide](#) and [Student Guide](#)

ElectroWorks [Teacher Guide](#) and [Student Guide](#)

[Energy Carnival](#)  
[Energy Conservation Contract](#)  
[Elementary Energy Infobook Activities](#)  
[Energy Around the World](#)  
[Energy Fair](#)  
[Energy Flows](#)  
Energy from the Sun [Teacher Guide](#) and [Student Guide](#)  
[Energy House](#)  
[Energy in the Balance](#)  
[Energy Jeopardy](#)  
[Energy Math Challenge](#)  
[Energy on Public Lands](#)  
[Energy on Stage](#)  
[Energy Rock Performances](#)  
[Energy Source Expo](#)  
EnergyWorks [Teacher Guide](#) and [Student Guide](#)  
[Ethanol](#)  
[Exploring Energy](#)  
[Exploring Magnets](#)  
[Global Trading Game](#)  
[Mystery World Tour](#)  
[NEED Songbook](#)  
[Ocean Energy](#)  
[Saving Energy Expo](#)  
[Science of Energy](#)  
[Talking Trash](#)  
[This Mine of Mine](#)  
[Today in Energy](#)  
[Transparent Energy](#)  
[Transportation Fuels Expo](#)  
[Transportation Rock Performances](#)  
[U.S. Energy Geography](#)  
Wonders of Wind [Teacher Guide](#) and [Student Guide](#)  
[Yesterday in Energy](#)

### **Intermediate (6-8)**

[Biodiesel](#)  
[Current Energy Affair](#)  
ElectroWorks [Teacher Guide](#) and [Student Guide](#)  
[Energy Around the World](#)  
[Energy Carnival](#)  
[Energy Enigma](#)  
[Energy Flows](#)  
Energy from the Wind [Teacher Guide](#) and [Student Guide](#)  
[Energy House](#)  
[Energy Jeopardy](#)

[Energy Math Challenge](#)  
[Energy on Public Lands](#)  
[Energy on Stage](#)  
[Energy Rock Performances](#)  
[Energy Source Expo](#)  
EnergyWorks [Teacher Guide](#) and [Student Guide](#)  
[Ethanol](#)  
[Exploring Energy](#)  
Exploring Solar Energy [Teacher Guide](#) and [Student Guide](#)  
[Fossil Fuels to Products](#)  
[Global Trading Game](#)  
[Great Energy Debate Game](#)  
H2 Educate [Teacher](#) and [Student Guide](#)  
[Intermediate Energy Infobook Activities](#)  
[Mission Possible](#)  
Monitoring and Mentoring [Teacher Guide](#) and [Student Guide](#)  
[Museum of Solid Waste and Energy](#)  
[Mystery World Tour](#)  
[NEED Songbook](#)  
[Ocean Energy](#)  
[Saving Energy Expo](#)  
[Science of Energy](#)  
[Transparent Energy](#)  
[Transportation Fuels Expo](#)  
[Transportation Fuels Debate Game](#)  
[Transportation Fuels Rock Performances](#)  
[What Car Will You Drive?](#)  
[U.S. Energy Geography](#)  
[Yesterday in Energy](#)

### **Secondary (9-12)**

[Biodiesel](#)  
[Current Energy Affair](#)  
[Energy Analysis](#) a companion to the Energy Information Administration's [Energy Perspectives](#)  
[Energy Around the World](#)  
[Energy Carnival](#)  
[Energy Conservation Contract](#)  
[Energy Enigma](#)  
[Energy Flows](#)  
[Energy Jeopardy](#)  
[Energy Math Challenge](#)  
[Energy on Stage](#)  
[Energy on Public Lands](#)  
[Energy Rock Performances](#)  
[Energy Source Expo](#)

[Ethanol](#)

Exploring Wind Energy [Teacher Guide](#) and [Student Guide](#)

[Fossil Fuels to Products](#)

[Global Trading Game](#)

[Great Energy Debate Game](#)

H2 Educate [Teacher Guide](#) and [Student Guide](#)

Learning and Conserving [Teacher Guide](#) and [Student Guide](#)

[Marine Energy](#)

[Mission Possible](#)

[Museum of Solid Waste and Energy](#)

Photovoltaics [Teacher Guide](#) and [Student Guide](#)

[Saving Energy Expo](#)

[Secondary Science of Energy](#)

[Secondary Energy Infobook Activities](#)

[Transparent Energy](#)

[The Future is Today - Transportation Fuels](#)

Thermodynamics [Teacher Guide](#) and [Student Guide](#)

[Transportation Fuels Expo](#)

[Transportation Fuels Debate Game](#)

[Transportation Fuels Rock Performances](#)

[U.S. Energy Geography](#)

[Yesterday in Energy](#)

**NEED Membership**

The NEED Project's network consists of over 65,000 classrooms nationwide who use NEED's annually up-dated curriculum materials. **Educators are NEED members in order to receive updated curriculum materials, participate in workshops and inservices, and to connect to the NEED network.**

<http://www.need.org/contact.php>