

Greater New Orleans STEM Exploring Energy Education Workshop for Teachers

Presented in partnership with The NEED Project
Mark your calendars and register now!

Date and Location

Saturday February 4, 2023
University of New Orleans
Oliver St. Pe' Center (TRAC)
2000 Lakeshore Drive
New Orleans, LA 70148

What do attendees receive:

- It's free
- Breakfast and lunch provided
- NEED Science of Energy kit
- \$120 Stipend
- LEAP aligned curriculum

Register today!

Click and complete your registration!

[https://needorg.secure.force.com/event/
home/gnostem020423](https://needorg.secure.force.com/event/home/gnostem020423)

QUESTIONS?

Contact Wendi Moss at wmoss@need.org
or call 1-800-875-5029

Who Should Attend:

- 3rd to 8th grade science educators & STEM educators

**SPONSORED BY
THE JOE W. AND DOROTHY DORSETT
BROWN FOUNDATION**

**AND
GREATER NEW ORLEANS STEM
INITIATIVE (GNO STEM)**

GNO STEM provides quality teacher professional development, hands-on STEM camps for students and teachers, and organized community STEM events that draw thousands of K-12 students, families, and teachers. The priority and central focus of GNO STEM has always been, and will continue to be, providing quality teaching in STEM through teacher professional development and engaging and exciting students to better prepare them for STEM careers.

For more information visit <http://gnostem.org/>

ABOUT THE NEED PROJECT

The National Energy Education Development (NEED) Project designs and delivers teacher-tested educational materials, evaluation techniques and tools, recognition of student achievement, and professional development for educators. NEED materials and training programs provide comprehensive, objective information about the scientific concepts of energy and the sources of energy – their use and their impact on the environment, the economy and society. For more info www.need.org.



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Workshop for Teachers

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Agenda

- 8:00 a.m. Registration & Continental Breakfast**
Pick up curriculum materials and supplies and network during breakfast. NEED curriculum packets are sponsored for each teacher attending the workshop. Packets include Teachers Guides for teaching energy, Energy Infobooks (student readers) and more.
- 8:15 a.m. Welcome and Today's Goals and Objectives**
Meet your fellow participants. Review goals and objectives for the workshop and begin planning ways to use the NEED materials and training in your school.
- 8:45 a.m. The Science of Energy**
Learn more about the forms of energy and energy transformations while exploring the stations of the Science of Energy kit. Shell's sponsorship provides teachers a choice of a Science of Energy Kit
- 10:15 a.m. Amplify your Station with a Challenge**
Using your assigned Science of Energy station create a challenge with the provided supplies to teach the transformation.
- 10:45 a.m. Energy Round Up and Candy Collector**
After learning about the forms of energy, we will study the sources of energy: What are they? Where do they come from? And how do we use each of the 10 sources of energy? Discover how the different energy sources contribute to the generation of electricity.
- 11:45 a.m. Sidekick Circuit Activity**
- 12:15 p.m. Lunch**
- 1:00 p.m. Exploring Wind - Wind Energy Challenge**
- 1:45 p.m. Exploring Solar - Solar Oven Challenge**
- 2:30 p.m. Exploring Oil & Gas – Getting the Oil Out Challenge**
- 3:15 p.m. NEED Website Tour, Closing and Workshop Paperwork: Stipend, Post Test, Evaluation, and Materials**
Complete Evaluations and Order Forms, receive certificates for professional development.
- 3:30 p.m. Adjourn**

SPECIAL THANKS TO OUR SPONSOR

The Joe W. and Dorothy Dorsett Brown Foundation