

Thank you for contacting Nueces Electric Cooperative about a field trip! As a community partner, we want to help you educate your student about electricity, resources, and how electricity is made. We would like to split classes into two-three groups. Each group will go on the field trip on a different day, and no more than 30 kids will be in each group. We will provide a \$250 stipend for transportation costs, and we will be providing lunch.

NEC will host one field trip on any given day between the hours of 9:30 a.m.- 2:00 p.m. A typical field trip consists of:

- Classroom education and videos on energy, generation renewable energy and Co-op's
- Demonstrations: Lineman, Electrical Safety, Energy Efficiency, Renewable Energy
- Pizza lunch

School Name: _____

Grade Level: _____

Contact Name: _____

E-Mail: _____

School Phone: _____

Cell Phone: _____

Requested Date of Field Trip: _____

Time Frame: _____

Number of students: _____

Select modules to fit your time frame...
or select them all!

 (include a 1-hour lunch in your time plan)

Energy Classroom: (45 mins) This module will teach students what energy is, the types of resources, how electricity is generated and how it gets to their home.



Co-op Tour and Lineman

Demonstration: (1 hour) Your students will be taken on a guided tour of the electrical Co-op to help them understand how an electric company operates. Students will meet a lineman who will show them the gear they use in the field as well as demonstrate how lineman physically climb power poles. Students will be shown a bucket truck and the bucket truck will be raised to take a picture of the student group below, which will be given to the teacher to take back to the school to commemorate the SEE Trip.



Safety & Efficiency Classroom: (1 hour) Students will experience an interactive safety demonstration and participate in an interactive safety challenge. Additionally, Students will become energy detectives while learning how they can conserve electricity.



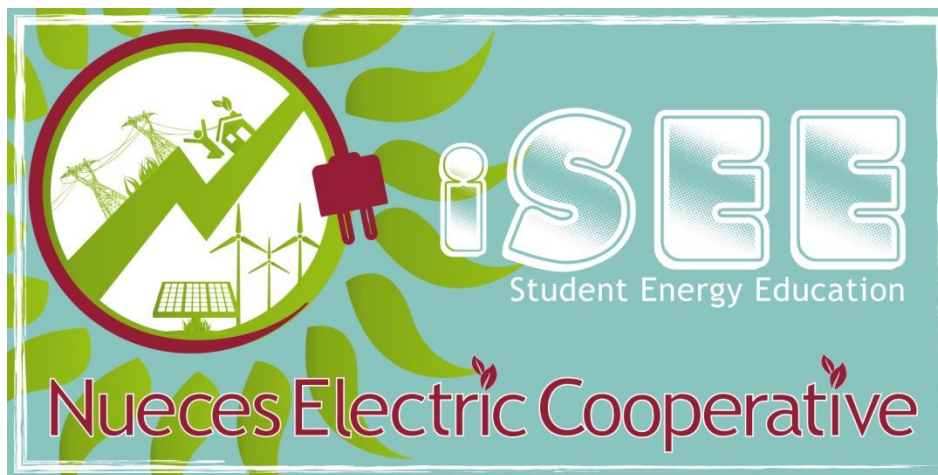
Renewable Energy Demonstration: (2 hours) Students will view and learn about the Co-op's renewable energy project and the five main types of renewable energy (what they are and how they work). Students will participate in a craft to create their own

Return form to:

communications@nueceselectric.org

Fax: 361-933-1178

Questions? Call 361-767-7321



General Agenda: *Note: this can be shortened as needed to accommodate time frames*

- I. 9:30 a.m. Welcome and Classroom: What is energy, types of resources and how it gets to your home.
- II. 10:20 a.m. Electrical Safety Demonstration
- III. 11:00 a.m. Renewable Demonstration Co-op Facility tour
- IV. 11:45 a.m. Lunch
- V. 12:30 a.m. Lineman Demonstration
- VI. 1:30 p.m. Final fun quiz and prizes
- VII. 2:00 p.m. Thank you for coming!

TEKS Objective:

Nueces Electric Field Trips can cover several areas of TEKS.

- Students will be able to identify sources of renewable energy.
- Students will be able to identify sources of non-renewable energy.
- Students will understand how the different sources create energy.
- Students will understand how electricity is generated and gets to their home.
- Students will learn how the Co-op utilizes circuits to deliver electricity.
- Students will learn about Co-op's, how they work, their universally shared principles, and the member-board of director - employee cycle.
- Students will tour the facility to understand how an electric co-op operates and employment opportunities for skilled and educated workforce.
- Students will meet a Lineman who will demonstrate lineman skills and the safety materials they utilize.
- Students will understand how they can be safe around electricity.
- Students will understand how they can conserve energy.