



# LOUISIANA OFFICE OF ENERGY FREE CLASSROOM VISITS

The Louisiana State Energy Office offers virtual and in-person Louisiana science standards aligned classroom visits for K-12 on energy related topics. When possible, we provide all materials at **no cost to the school!**



## ALL ABOUT OIL (2ND-8TH)

The students learn about oil by making and testing their very own oil rig (and test by drinking coke, chocolate milk, and chocolate syrup!).

## SOLAR OVENS (5TH-12TH)

In our “Cooking with Solar” activity, students explore a lesson on solar collectors by constructing their very own solar oven and test them by making s’mores and/or nachos.

## RENEWABLES (2ND-12TH)



The students play a NEED Project favorite activity—Candy Collector (and enjoy a treat of M&M’s and jelly beans after!).

## ENERGY HOUSE CHALLENGE (9TH-12TH)



In this two-part lesson, students (solo or in groups) design and engineer a home using a cardboard box and insulate it using materials provided or can independently source their own. Who can build the best insulated home? Students in grades 6-12 will do best with this activity.

## SAVING ENERGY (K-8TH)

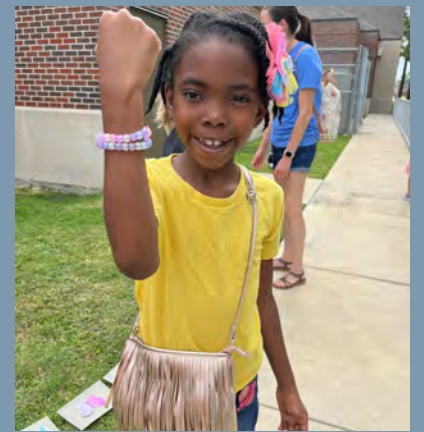


Appropriate for all ages! The energy office can customize this lesson for you. Younger students enjoy learning how to save energy at home and older students get hands on experience conducting an energy audit at the school!

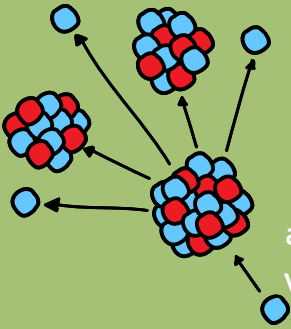


## SOLAR ACTIVITIES (K-4TH)

Students investigate the power of the sun with engaging art projects. Have fun in the sun with solar paper and make solar bead jewelry. Fun for all ages!



## NUCLEAR ENERGY (5TH-12TH)



Students learn all about nuclear reactors, how fission works, and experiment with radioactive materials!

## CIRCUITS AND ELECTRICITY (5TH-12TH)



We begin with an introduction to electricity and how it's formed. An interactive game of Kahoot follows with prizes for the winners!

Students get hands on experience building a working circuit and learn about conduction with an apple battery experiment.

**CONTACT:**  
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