



# 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)

Students explore energy transformations by building a solar oven. We'll take them outside to cook s'mores or nachos. What a tasty reward!

## RENEWABLES (2ND-12TH)

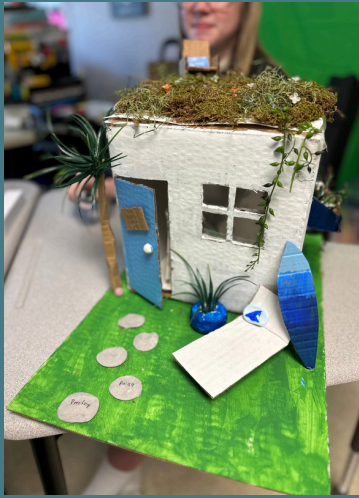


The students play a NEED Project favorite activity—Candy Collector (and enjoy a treat of M&M's and jelly beans after!).

## SQUISHY CIRCUITS (K-4TH)

Spark your students interest in circuits and electricity! An engaging lesson using playdough to create simple, parallel, and series circuits. Students will take home their very own Squishy Circuit kit. It's ELECTRIC!





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

In this two-part lesson, students work in groups to design and engineer a home using a cardboard box and insulate it using materials provided or independently source their own. A minimum of two weeks of class time required to build. We begin with a virtual introduction and conclude with an in-person test. Prizes for most efficient AND best looking houses! Who will win the Energy House Challenge?

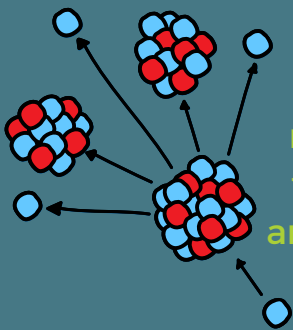


## SOLAR ACTIVITIES (K-4TH)

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!

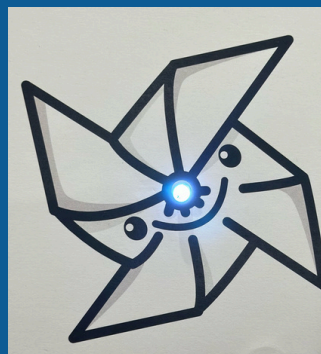


## NUCLEAR ENERGY (5TH-12TH)



An engaging lesson on 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! Lastly, the students get hands on experience building a working circuit.

**CONTACT:**  
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