



Cooking with Solar

Virtual Visit with the Louisiana Energy Office Team

Students make their very own solar cooker for a temperature challenge to learn about radiant energy into thermal energy. Play a solar energy themed Kahoot* quiz game while the food cooks. Wrap with Q&A!

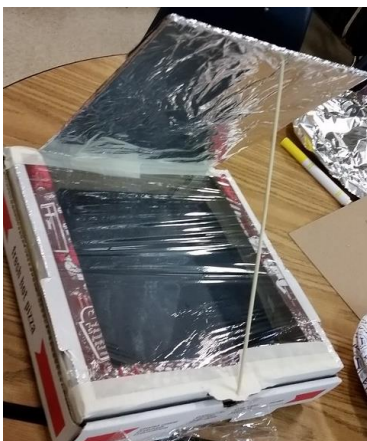


Solar Oven Materials:

- Sunlight
- Container: empty Pringles can, pizza box, or cardboard box
Note: Younger students will need assistance with cutting. Having an adult/teacher pre-cut the flap on the solar oven box will help save time. Trauma shears work well for cutting cardboard.
- Scissors
- Marker or Pen
- Aluminum Foil
- Plastic wrap, cellophane, or blank transparency paper
- Black paper (construction paper works well)
- Masking tape or packing tape
- Wooden skewer, a pencil, or a kitchen utensil to prop the “oven lid” open
- Something to cook
NOTE: Pick something that is already cooked and safe to eat in case your oven doesn’t get very hot. We recommend chips and shredded cheese, hotdogs, or s’mores. Be sure to place food on a paper plate (dark colored plates work best) to preserve your solar oven.

[Solar Oven Directions](https://youtu.be/tuUhK2Rs9xg). Preview of Solar Oven activity: <https://youtu.be/tuUhK2Rs9xg>

*Students will need a second device such as a computer or tablet to answer the Kahoot questions.



Presented by the Louisiana State Energy Office - www.dnr.louisiana.gov

Activities created by The NEED Project. All NEED curriculum is available for free PDF download at www.NEED.org