

## S'More Science: Solar Oven DIY

### Southeast Louisiana National Wildlife Refuges Complex, Louisiana

#### What You Need:

- Cardboard Box (Shoe Box is best)
- Scissors or xacto-knife (box cutter)
- Aluminum Foil
- Clear Plastic Wrap
- Tape
- S'mores supplies:
  - Graham Crackers
  - Marshmallows
  - Chocolate (a flat chocolate bar is best)
- Small Stick (optional)
- Decorations (optional)
- Sun (required)

#### Process:

1. The cardboard box will be your oven. Cut a flap in the top of the box to be the door. You may need your favorite adult to assist during this part.
2. Wrap the flap and the inside of the box with aluminum foil. Make sure that the shiny side of the foil is facing out. Secure foil with tape if needed.
3. If you are using a shoe box you can put the plastic wrap over the opening to your oven and secure with tape. If not, then do this portion after the S'more has been loaded for cooking.
4. Optional: Decorate the outside of the box like a campfire or any other design that you would like.
5. Place a graham cracker bottom, chocolate bar and marshmallow(s) in the oven – save the top graham cracker piece for the final step.
6. Angle the flap/door of solar oven so that the sun's rays reflect off the foil and onto your marshmallow. This is where you might need a stick to hold the flap/door at the best angle.
7. Check on your S'More as it cooks to make sure that the Sun's rays are still reflecting onto the marshmallow.
8. When the marshmallow is gooey, and chocolate is melted, take out the S'more. Add the top graham cracker piece. Enjoy your S'More Science Treat!