

# SOLAR OVEN SMORES



## Materials:

- Cardboard pizza box
- Aluminum foil
- Plastic wrap or bag
- Black construction paper
- Tape
- Glue stick
- Pencil or wooden skewer
- Scissors or utility knife
- S'mores supplies: chocolate, graham crackers, marshmallows



1



Cut an "oven door" flap on the box. The size depends on what you are cooking and how much access you need.

**Optional:** Decorate your solar oven with sharpies.

2



Glue black construction paper to the bottom of the box. The black color absorbs the heat.

Glue aluminum foil to the inside of the door. The foil reflects the sun into the oven.

3



Tape the plastic over the opening of the door. This will allow the air inside the box to heat up but keep the heat trapped inside the box.

Add your smores inside the oven.

# 4

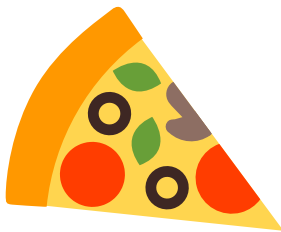


Place your oven outside in the sun. Prop the lid open at an ideal angle.



Observe the process, and when they are cooked to your liking, add the top graham cracker and enjoy!

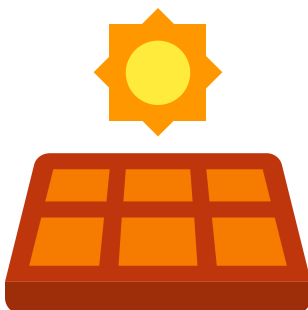
## Extension



Use your solar oven to create another dish. How about pizza?



Add a variable. What would happen if you use a different color construction paper? What do you notice about the cooking process?



Research the sun as a heat source. How else can we use solar energy? Share your findings.