

My Solar Oven Project By- Ivan Bobnar



Have you ever made a solar oven? I made one for a school science project.



We glued foil to the inside of a box so it could reflect sunlight and heat our food.

This is our finished oven.



We placed black paper on the bottom of the box to absorb more heat. I wonder how hot it will get?

For our experiment, we chose to cook smores in our solar oven.



We used the chocolate stuffed chocolate marshmallows I got for my birthday.

My favorite part was taste testing the ingredients.



Since dogs can't eat chocolate, we made special peanut butter smores for Ipo. We call them pooch smooches.

We put the solar oven in the sun and waited for it to heat up. We had a thermometer to measure the heat.



It was a very hot day. Do you want to guess how hot it got in our oven?

The temperature in our oven rose quickly.



The hottest it got was 135 degrees.

Even at 135 degrees the smores cooked very slowly.



Ipo had to be patient while she waited for her pooch smooches.

After about an hour, we brought our oven inside to analyze the results of our experiment.



Ipo thought her peanut butter pooch smooch was delicious. She was a good "lab" assistant. Get it?

We arrived at three scientific conclusions:



- 1) Solar ovens don't get hot enough to melt marshmallows.
- 2) Smores are delicious even if they aren't fully melted. And
- 3) Dogs love pooch smooches!