

STEM Solar Oven S'mores

This fun STEM (Science, Technology, Engineering, and Math) activity converts the sun's natural light energy into heat energy, and uses it to melt s'mores!



What you'll need:

- Graham crackers
- Chocolate bar
- Marshmallows
- A small cardboard box with a lid attached (shoe box, pizza box)
- Black construction paper
- Tinfoil
- Glue
- Clear plastic wrap

Directions:

1. Glue black construction paper onto the bottom of the box
2. Glue foil to the inside of the lid
3. Build your s'mores on top of the black construction paper (2 graham crackers, a piece of chocolate, 1 marshmallow)
4. Cover the bottom half of the box (part with black construction paper and s'mores) with clear plastic wrap
5. Place the solar oven outside facing the sun
6. Prop up the lid so the sun is reflecting onto the s'mores (use a pencil or a stick from the yard to keep propped up)
7. Wait a few minutes and see the chocolate and marshmallow begin to melt
8. When the chocolate and marshmallows are melted, remove the s'mores from the oven and place the second graham cracker on top to fully assemble the s'more
9. Enjoy your tasty treat!

Activity found at:

<https://www.engineeringemily.com/make-smores-in-a-solar-oven-steam-activity-for-kids/>