

SOLAR S'MORES

MATERIALS:

- Small cardboard box (PIZZA BOXES WORK WELL)
- SHEET OF PLASTIC
- FOIL
- TAPE
- PENCIL
- CHOCOLATE
- GRAHAM CRACKER
- MARSHMALLOWS

PROCEDURE:

1. CAREFULLY CUT $\frac{3}{4}$ OF A SQUARE OUT OF THE LID OF THE BOX. YOU WILL WANT TO MAKE IT BIG AS THIS IS YOUR SOLAR PANEL, BUT LEAVE ONE SIDE ATTACHED. TAPE A PIECE OF FOIL TO COVER THE UNDERSIDE OF IT.
2. OPEN THE BOX AND TAPE YOUR SHEET OF PLASTIC TO THE UNDERSIDE OF THE LID, SO IT IS COVERED. BE SURE TO MAKE A DECENT SEAL, AS THIS WILL TRAP THE HEAT IN THE OVEN.
3. LINE THE INSIDE OF THE BOX, INCLUDING THE SIDES, WITH FOIL.
4. USE THE PENCIL TO PROP OPEN THE LID.
5. MAKE HALF OF YOUR SMORE USING HALF A GRAHAM CRACKER, A PIECE OF CHOCOLATE, AND A MARSHMALLOW.
6. PLACE YOUR S'MORE IN THE SOLAR OVEN AND CAREFULLY SET IT OUT IN THE SUN.
7. ONCE THE CHOCOLATE AND MARSHMALLOW HAS MELTED, PLACE THE OTHER HALF OF THE GRAHAM CRACKER ON TOP AND ENJOY!



SOLAR POWER FACTS:

- SOLAR ENERGY IS OBTAINED FROM SUNLIGHT.
- SOLAR ENERGY HAS BEEN USED BY HUMANS FOR A LONG TIME FOR USES SUCH AS HEATING, COOKING FOOD, REMOVING SALT FROM SEAWATER AND DRYING CLOTHES.
- THESE DAYS, IT IS ALSO USED TO CREATE ELECTRICITY. AS TECHNOLOGY HAS IMPROVED, SOLAR POWER COSTS HAVE DECREASED AND IT HAS BECOME A MORE VIABLE ALTERNATIVE, COMPETING WITH ENERGY SOURCES SUCH AS COAL AND OIL.
- WHILE SOLAR POWER IS BECOMING MORE EFFICIENT, IT ONLY PROVIDES A SMALL FRACTION OF THE WORLD'S ENERGY SUPPLY.
- SOLAR CELLS CONVERT LIGHT ENERGY INTO ELECTRICITY.
- SOLAR CELLS CAN BE USED TO POWER PORTABLE DEVICES SUCH AS CALCULATORS.
- LARGE NUMBERS OF SOLAR CELLS ARE PUT TOGETHER TO CREATE SOLAR PANELS.
- THE LARGEST SOLAR POWER PLANT IN THE WORLD IS FOUND IN THE MOJAVE DESERT, USA.