

CRAFTY TUESDAYS



SOLAR POWERED OVEN

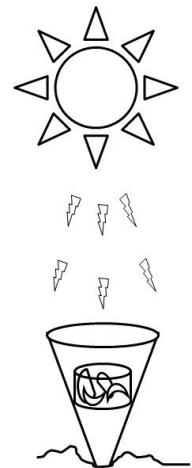
What a great craft when camping – and it doubles as a snack too! A solar oven works by turning the light rays from the sun into heat – the sun becomes the fuel! The aluminum foil acts as a reflector, directing the sunlight towards the cup in the centre. The cup absorbs the heat from the sun's rays, and the plastic wrap keeps the heat in the cup allowing it to get hot enough to cook the apples. Yummy and fun!

PLUS - this craft can count towards the girls programming *if made for a snack at camp*:

- Sparks: Exploring and Experimenting OR Going Camping
- Brownies: Key to STEM OR Key to Camping

MATERIALS:

- 8.5 x 11" sheet of aluminum foil
- 8.5 x 11" sheet of white paper
- Glue
- Small paper cup
- Plastic wrap
- Elastic band
- Easy to bake treat: baking apples, sliced and cinnamon



INSTRUCTIONS:

- 1.** Glue the aluminum foil to the back of the white paper. Place the sheets on a surface, with white sheet face-down, and roll it into a cone. Leave to dry.
- 2.** Place the apples and cinnamon in the paper cup. Seal the cup with plastic wrap and secure it with an elastic band.
- 3.** Once dry, place the cone into the ground, point facing downward, so that the solar oven is lined up directly with the sun. Place the cup in the aluminum cone.
- 4.** Check every half an hour. The oven should bake these apples in about two hours!

ENHANCE THE LEARNING:

Guiders! Encourage the girls to think about what they are doing by asking questions such as:

- What do you think is going to happen?
- Why do you think this works?
- If it didn't work: What do you think we did wrong?
- Do you think this is a good way to cook?
- Why do people cook using solar ovens?