

# CRAFTY TUESDAYS



## ELECTRIC LEMON

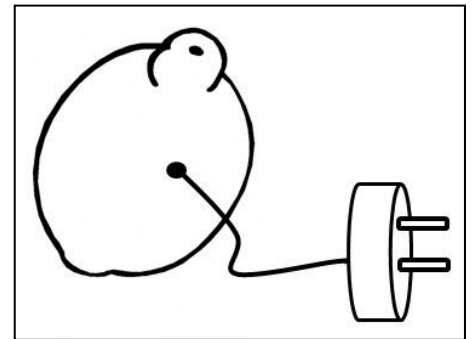
Have you ever been caught at home in a snowstorm? Lights go out and you don't know what to do? Well, grab a few simple household items and make your own electricity! Well, this might not light up the house, but it will teach girls about electricity and they'll be able to feel the electrical tingle too! This craft could count towards the following girls' programming for Brownies' 'Key to STEM', and for Guides' 'Beyond You – Try New Things'.

### MATERIALS:

- A paper clip
- A whole lemon
- A piece of copper wire

### INSTRUCTIONS:

1. Straighten your paper clip and insert one end into the lemon.
2. Peel off the insulation around the copper wire.
3. Insert one end of the copper wire into the lemon.
4. Hold both ends of the paper and copper wire.
5. Touch your tongue to both ends at the same time.



You should feel a small electrical tingle!

Note: this isn't powerful electricity, but just enough to create a small tingle.

### ENHANCE THE LEARNING:

Guiders! Ask the girls to think about how this is happening:

- An electric battery needs two types of metal and an acid to work. What acid are they using in this craft?
- What other acidic fruits *could possibly* produce the same results?