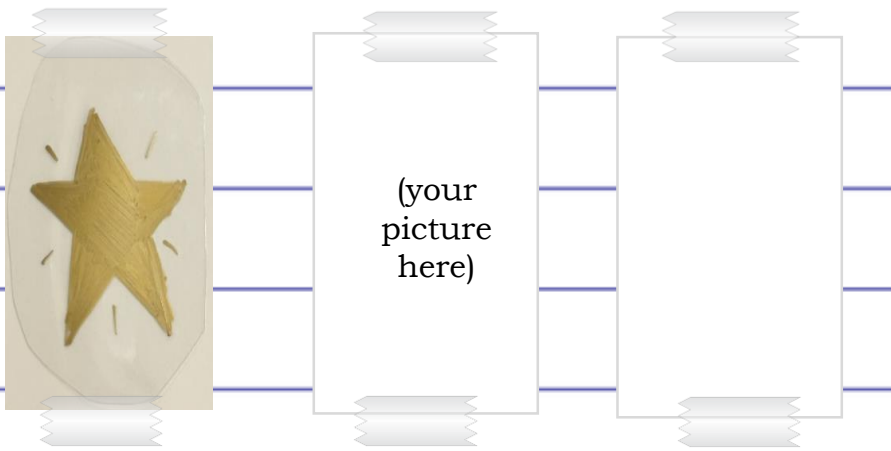


# DIY Shrinky Dink

# Observations



## **What you need:**

Clear plastic containers (ideally #6) - permanent markers - oven - scissors - aluminum foil tray

**(This activity should be done with adult supervision)**

## **What to do:**

**Preparation: Adults start by pre-heating the oven to 350 degrees Fahrenheit and move the rack to the bottom level.)**

1. Cut the plastic container so that you have a flat surface. Measure the area and the thickness of your piece of plastic. If you have a kitchen scale, measure the mass of the plastic.
2. Draw your picture on the plastic using the permanent markers.
3. Once the oven has reached 350, place your design on the aluminum foil tray and carefully place in the oven.
4. Watch your plastic "cook" for the next 3 - 4 minutes. Record your observations in your STEM-At-Home mini notebook or your own home-made notebook.
5. After 3 - 4 minutes carefully remove your plastic from the oven.
6. When your plastic is cool, measure the area and thickness again.

## **Record your observations:**

- Did your plastic piece shrink or grow? By what percentage?
- Is the change in plastic size different for different types of plastic? Do some work better than others?
- If you have a kitchen scale measure the initial and final mass of the plastic - did that change?
- Why do you think the plastic is changing when you put it in the oven?

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