

# Season 4, Episode 6: Kid Inventor Day



Learn about real kid inventors and how to juggle; make a rubber band-powered boat. Welcome to CAMP TV – a half-hour day camp experience in your living room! Head counselor Zing Ashford guides “campers” as they learn through play. Content partners include Mister C, National Dance Institute, New Victory Theater, San Diego Zoo, Story Pirates, and WFSU.

**The  
WNET  
Group** | Media Made  
Possible by  
All of You

## Activity Guide

Multi-Layered Ice Pops .....	1-3
Rubber Band Boat .....	4-6

Funding for **Camp TV** is provided by the New York State Education Department and The JPB Foundation. Additional funding is provided by the New York City Council and administered by the New York City Department of Youth and Community Development.

**Camp TV** is a production of The WNET Group.



## Multi-Layered Ice Pops

### Materials List:

- small paper cups
- wooden craft sticks
- 3 different types of juices or other drinks (cranberry juice, orange juice, grape juice, etc.)

*Note: Use whatever beverages you like to drink. The middle layer should be a different color than the outer layers so you can clearly see the layers. You can also make the ice pops with just two drinks. Use one drink for the 1st and 3rd layers and a second drink for the middle.*

- 1 non-toxic washable marker

### Instructions:

**1. Use the marker to put 2 lines on the outside of the cup, to divide it into 3 sections. These lines will help you know how much juice to use for each layer.**



**2. Pour the first drink into the cup, about 1/3 of the way - so that it goes up to the bottom line on the cup.**



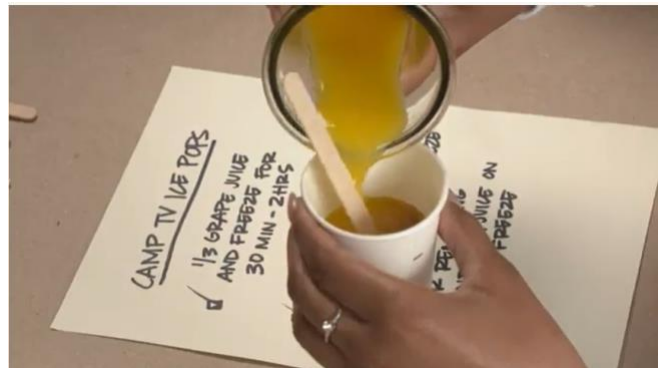
**3. Put it into the freezer for at least 30 minutes- until the layer has started to freeze but isn't quite solid.**



**4. Remove the cup from the freezer and insert a wooden craft stick. Return the cup to the freezer and leave it there until the layer is solid. The amount of time it takes to freeze will depend on the amount and type of liquid you are using.**



**5. Remove the cup from the freezer and add the next layer of liquid on top, so that it goes up to the second line- about 2/3 of the way up. You should leave enough space on top for another layer.**



**6. Put the cup back in the freezer until the liquid is frozen solid.**



**7. Once the 2<sup>nd</sup> layer is frozen, add the last liquid to the top. Put it back in the freezer. Keep it in the freezer until it is solid.**



**8. Remove from the freezer. Peel away the paper.**



**9. Hold on to the craft stick and remove the popsicle.**



**10. Eat and enjoy!**





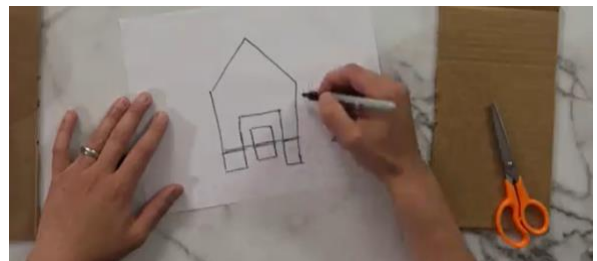
## Rubber Band Boat

### *Materials List:*

- paper
- pencil or pen
- 1 piece of cardboard
- duct tape
- rubber bands
- safety scissors

### ***Instructions:***

**1. To begin, draw a house, with an opening at the bottom.**



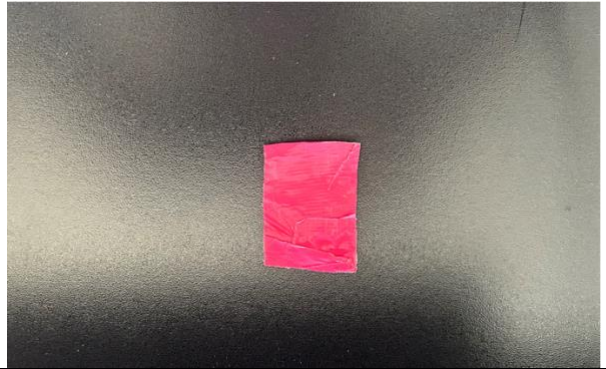
**2. Draw and cut out your house on a piece of cardboard. Refer to your design as you create your house. Ask an adult to help with the cutting, as needed. This cut-out shape will become a boat.**



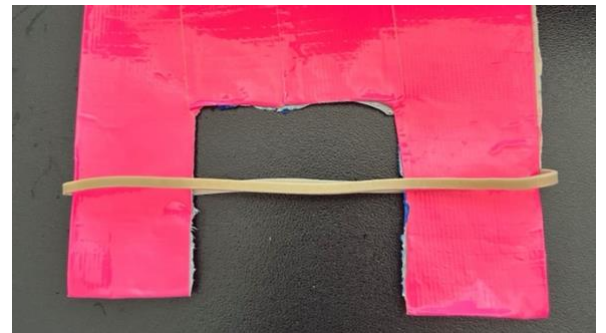
**3. Cover the pattern with duct tape to make it waterproof.**



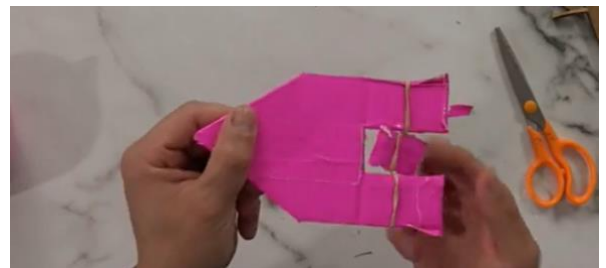
**4. Using the cardboard, cut out a small rectangle that will become the propellor for your boat. Make sure it can fit in the opening at the bottom of your house- like a small door. Cover the rectangle with duct tape.**



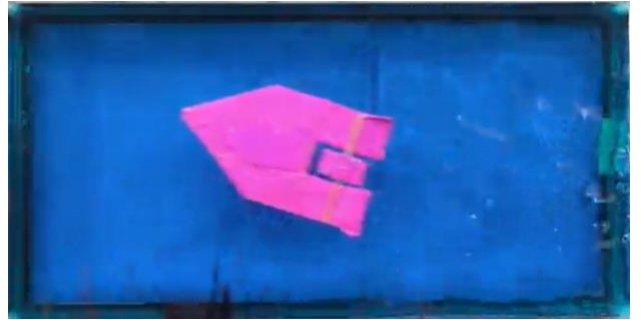
**5. Take a rubber band and put it around the legs of the house.**



**6. Take the propellor and stick it up through the opening in the rubber band. Spin the propellor so that the rubber band tightens around it.**



**7. After you spin the propellor to tighten the rubber band, put the boat in water and let it go. Observe how the propellor spins and how the boat moves on the water. Does your boat float? How far does it move? Modify your boat, as you wish. Try making a different design and creating a new boat.**



Activity courtesy of Mister C