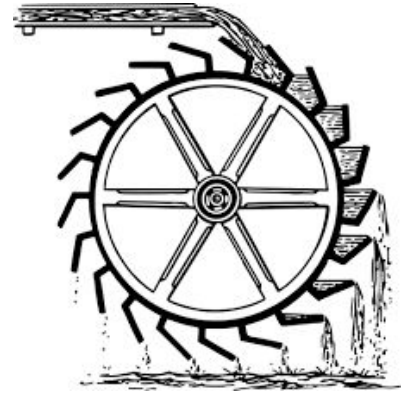


# STEAM Design Challenge: Hydropower

## Overview:

To celebrate National Hydropower day on August 23, join us in this STEAM design challenge. In this challenge, you will try and make the paper clip attached to a straw spin while only using the given materials and water. You will then record a Flipgrid video (link at the bottom) showing your creation and explain how the design works. Be sure to include a fun fact about hydropower in your video!

All video uploads must be in the Flipgrid portal by midnight Wednesday September 9th, 2020.



## Recognitions:

- All participants will earn a certificate.
- Winners of categories will be awarded **cash prizes.**

## Categories:

- Most Rotations per Minute (RPM)
- Best Design
- Best Explanation
- Best Hydropower Fun Fact

## Materials:

- Straw with String & Paperclip Attached
- Plastic Spoons
- Plastic Lid
- Styrofoam Cup
- Medicine Cups

## Design Rules:

- Quantities are not limited (spoons, cups, lids, & medicine cups are unlimited)
- Kits are available but not required, you are welcome to use supplies from your own home
- Scissors are allowed
- Plastic or Styrofoam cups are allowed (any size)
- Lids can be any type of plastic (sour cream, yogurt, whip cream, salad, etc...)

## Entry Instructions:

All entries are through Flipgrid. In Flipgrid you will upload a video of your design. A Microsoft or Google account is needed to log in.

3 Ways to Access Flipgrid:

- QR Code:
- Web Link: <https://flipgrid.com/hydropower>
- Flipgrid Code: f7b8146a

