

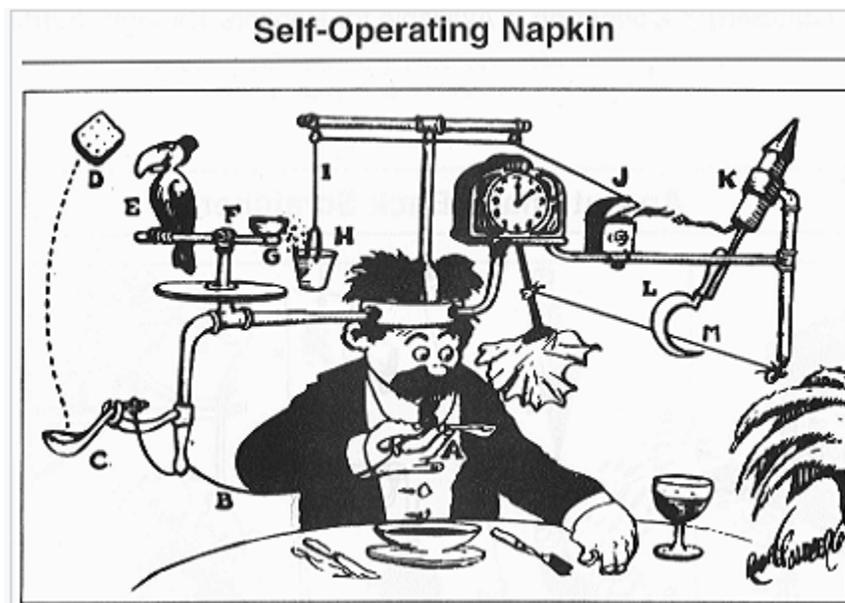
Robert Hunter PTO Winter Family STEM Project

Last year, the Robert Hunter PTO inspired your creative family minds by offering the STEM Igloo Challenge. This year, they have another amazing family challenge for you. Welcome to . . .

The Robert Hunter Rube Goldberg Challenge

Who is Rube Goldberg you may be wondering? Rube Goldberg is an American cartoonist who was known for drawing cartoons of contraptions that are designed to perform simple tasks in a very complicated way.

One example:



For the RH PTO Rube Goldberg Challenge, you will NOT be drawing a cartoon, but rather using common items found at home to design a machine of your own. All machines will have the same goal ... to get a marble into a cup without a human touching the marble.

I know that this sounds a little extra challenging, which is why I've included a few short video clips of Rube Goldberg machines that have been created by kids and families, just like yours. Be sure to watch the videos for ideas, BUT also be creative and make it unique. (Note that this isn't easy but a lot of fun! When my family and I created our machine - it took us about 7 or 8 tries before we were successful.)

- ▶ Marble in a Cup (Rube Goldberg Device)
- ▶ Rube Goldberg machine : marble into cup
- ▶ Simple Rube Goldberg Machine

The PTO will gladly provide all families who would like to participate with a marble if you do not have one at home. Just send Mrs. Cinquemani an email to let her know you need one. tcinquem@frsd.k12.nj.us

In your email, please include the name of your child, grade, and homeroom teacher. (Example: Joe Marble, 2nd Grade - Rainey)

After Creating Our Machine, What Do We Do?

Robert Hunter wants to see all the cool Rube Goldberg inspired creations. Please upload a video of your machine in action to our FlipGrid. Also, we would love to celebrate you and all the family members who worked on this. Please post a photo of you and your family standing next to your invention on our school Padlet. We will print it off and hang it up on our Robert Hunter STEM Wall of Fame that will be located in the main foyer.

Upload videos to this FlipGrid link: <https://flipgrid.com/07b93af6>

- Click “Add Response.”
- You can record directly to Flipgrid or upload a saved video.
- To upload, click “options” and then “Upload Clip.”

Submit all family photos to the Padlet link: <https://padlet.com/jbraynor/j50r8er3ebkpsugo>

- Click on the pink plus button.
- Click on the green “Upload” icon.
- Click “Publish.”

All videos and photos must be submitted by: Friday, February 11th. Videos and pictures will be revealed after all entries are submitted.

Have a fantastic time. This is going to be a lot of fun!
Mrs. Cinquemani, Math and Reading Support Teacher