Week 8: Rube Goldberg

1 Complete the Challenge.

Build an amazing Rube Goldberg Machine: an unnecessarily complex creation designed to perform a very simple task.

The Rules	
You CAN:	**You CAN'T:**
✓ Your machine can complete any simple task.	✗ You can't just use a premade domino set and call it done.
✓ You can use anything you want to build your machine.	✗ You can't interfere with your machine after you start it .
✓ You can make your machine as long or as short as you wish. Just be sure to film all of the action from start to finish.	✗ Don't give up when you machine doesn't work the first time. This will take lots of trial and error!

Once you have every part of your machine working, show us how it works? Is there anything you can do to make it even more elaborate?

😡 Our tips to avoid angry parents 😀	
DON'T	**DO:**
😡 Don't use fragile objects to build your machine.	😀 Build your machine in a low-traffic area.
😡 Don't have your Rube Goldberg machine complete a dangerous task.	😀 Agree on materials BEFORE you start building.
😡 Don't throw, kick, or destroy your Rube Goldberg when it quits in the middle for the 700th time.	😀 Clean up after yourself. This is especially important this week, because you are about to make a giant mess.

2 Create a video of your solution.

Try to keep your video under 90-seconds long and include the following:

- How does your solution work?
- What materials did you use?
- Did you have to overcome any problems?

You can see tips to creating great entry videos **here**.

Your video will be visible to anyone with an internet connection, so it's important to protect your privacy and stay safe. See our **website** for more information.

3 Enter the contest by 9:00pm ET on August 11, 2024.

Ask a parent to upload your video to our website using our **online entry form**.

All contest entries will receive **1** point for our big end-of-the-summer prize drawing! You can earn bonus points for:

- Completing our weekly online STEM course - 1 point
- Entering an Epic Fail - 1 point
- Getting a friend to participate in their first ever Invent the Summer challenge (make sure they give you credit) - 5 points
- Completing 3 challenges in a row - 3 points
- Completing 5 challenges - 5 points
- Completing ALL 8 challenges - 5 points

4 View other solutions and VOTE!

You can see all the solutions and vote for your favorites from 12:00pm ET on Monday, August 12 until 3:00pm on Tuesday, August 13. See our **voting rules** for more

5 Winners announced by 8:00pm on August 13!

Audience Choice Award: Goes to the solution with the most online votes.

Board Choice Awards: Selected by the Junior Board of Engineers. Solutions will be judged on originality, execution, and presentation.

Epic Fail Award: Show us your failed attempts! This award goes to the most impressive failure of the week.

Winners receive their choice of an *Invent the Summer* t-shirt, bag, or notebook.