



INVENT THE SUMMER

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, usually involving lots of chain reactions.

The Rules	
You CAN:	You CAN'T:
<ul style="list-style-type: none"> ✓ You can accomplish any simple task you want. Examples include: closing a book, ringing a bell, or feeding a pet. ✓ You can use anything you want to build your machine. ✓ Make your machine as long or as complicated as you wish. Just be sure to film all of the action from start to finish! 	<ul style="list-style-type: none"> ✗ You can't use a pre-made domino track. ✗ You can't interfere with the machine if something doesn't work. ✗ You can't give up <u>when</u> your machine doesn't work the first time. They never do!
<p>Here are a few incredible and very elaborate examples of Rube Goldbergs: <u>Monica Calls the Elevator</u>, <u>The Cake Server</u>, <u>Pass the Salt!</u>, <u>The Lemonade Machine</u></p>	
Our tips to avoid angry parents	
DON'T	DO:
<ul style="list-style-type: none"> Don't get angry and destroy everything when you machine doesn't work the first 12 times. Don't steal parts from someone's lego creation to build it. Don't make your machine compete a dangerous task. 	<ul style="list-style-type: none"> This will take a while, so build it in a low traffic area. Get permission to use your materials. Clean up after yourself.



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?

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 13, 2023.

Ask a parent to upload your video to our website using our [online entry form](#).

*****Do not upload your video to YouTube or Vimeo. Submit the original file.*****

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

- 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 8:00am ET on Monday, August 14 until 5:00pm, Tuesday, August 15. See our [voting rules](#) for more

5 Winners announced by 8:00pm on August 15!

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.