



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.

For kids 12 and under!

The Rules	
You CAN:	You CAN'T:
<ul style="list-style-type: none"> ✓ Accomplish any simple task you want. Examples include: closing a book, tipping over a cup or ringing a bell. ✓ 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"> ✗ Use a pre-made domino track. ✗ Interfere with the machine if something doesn't work. ✗ Give up <u>when</u> your machine doesn't work the first time.
<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">  Make your machine do something dangerous.  Leave machine parts all over the stairs or anywhere else.  Throw, kick, smash machine parts, or scream when your machine doesn't work the first 10 times. 	<ul style="list-style-type: none">  Clean up after yourself.  Ask permission to build your machine where you want to.  Agree on materials to use before you start.

2 Create a video of your Lazy Bot.

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

- The name of your solution.
- How does it work?
- What materials did you use?
- Did you have to overcome any problems?
- What was the biggest lesson you learned?

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 EST on August 14,

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

*****New this year: you do not need to upload your video to YouTube or Vimeo. We will upload it to our own YouTube channel for you!**

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 EST on Monday, August 15 until 5:00pm EST on Tuesday, August 16. See our [voting rules](#) for more information.

5 Winners announced by 8:00pm on August 16!

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

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

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