



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:

- ✓ 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!

You CAN'T:

- ✗ Use a pre-made domino track.
- ✗ Interfere with the machine if something doesn't work.
- ✗ Give up when your machine doesn't work the first time.

Here are a few incredible and very elaborate examples of Rube Goldbergs: [Monica Calls the Elevator](#), [The Cake Server](#), [Pass the Salt!](#), [The Lemonade Machine](#)

🤔 Our tips to avoid angry parents 😊

DON'T

- 🤔 Use someone else's things without asking.
- 🤔 Leave machine parts all over the stairs or anywhere else.
- 🤔 Build your machine at the table right before lunch.

DO:

- 😊 Clean up after yourself.
- 😊 Ask permission to build your machine where you want to.
- 😊 Agree on materials to use before you start building.

2 Create a video of your Rube Goldberg Machine.

Try to keep your video under 1-minute long and include the following:

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

Remember, your video will be visible to anyone with an internet connection, so it's important to protect your privacy and stay safe. [Click here](#) to see our video submission and safety tips.

3 Enter the contest by 9:00pm EST on August 15,

Ask a parent to upload your video to [YouTube](#) or [Vimeo](#). Then use our [online entry form](#) to send us the link. All entries must be completed by a parent or legal guardian.

All contest entries will receive **1** ticket for our big end-of-the-summer prize drawing! You can receive bonus tickets anytime someone enters their first *Invent the Summer* challenge and credits you for telling them about us!

**All videos will be reviewed prior to publishing online to ensure the content is appropriate for all ages.*

4 View other solutions and VOTE!

You can see all the solutions and vote for your favorites from 8:00am EST on Monday, August 16 until 5:00pm EST on Tuesday, August 17. See our [voting rules](#) for more information.

5 Winners announced by 8:00pm on August 17!

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.