



INVENT THE SUMMER

Week 7: Mystery Box

1 Complete the Challenge.

Create a working swing and see how much it can hold without spilling everything while swinging. You must use the three items from our mystery box: a piece of string/rope, paper/cardboard, and a paper clip.

For kids 12 and under!

The Rules	
You CAN:	You CAN'T:
<ul style="list-style-type: none"> ✓ Use any materials you want, but your swing must include all three mystery box items, and they must play an important role in the design. ✓ Make your swing human sized or toy sized. ✓ Put anything you want on your swing, as long as it's safe. 	<ul style="list-style-type: none"> ✗ Help your swing hold something. It must be able to hold your items unassisted. ✗ Just place the mystery box items on the swing. ✗ Put valuable/breakable items on the swing. ✗ Use a pre-made swing.
<p>Now see how much more weight your swing can hold. How do items of different sizes, weights and shapes affect your swing?</p>	
 Our tips to avoid angry parents 	
DON'T	DO:
<ul style="list-style-type: none">  Test your creation by swinging someone's phone.  Turn your swing into a spinning weapon.  Swing your swing into people. 	<ul style="list-style-type: none">  Ask your parents before taking supplies to build your swing.  Get permission to swing your item of choice.  Clean up after yourself.

2 Create a video of your Mystery Box Swing.

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 8, 2021.

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 9 until 5:00pm EST on Tuesday, August 10. See our [voting rules](#) for more information.

5 Winners announced by 8:00pm on August 10!

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.