



# INVENT THE SUMMER

## Week 1: Make it Fly

### 1 Complete the Challenge.

Create a device to keep something in the air as long as possible. You can launch it, fling it, or fly it. Just get it into the air and keep it there as long as you can! Use a timer to see how long your object stays airborne.



The Rules	
You CAN:	You CAN'T:
<ul style="list-style-type: none"> <li>✓ Your airborne object can be anything. For example: a lego man, ball, or stuffed animal.</li> <li>✓ You can use any method to get your item into the air.</li> <li>✓ Your object can go straight up or across the room. What really matters is how long it's in the air before landing.</li> </ul>	<ul style="list-style-type: none"> <li>✗ You can't use a pre-made flying device such as a drone, remote control plane, or a frisbee.</li> <li>✗ You can't use a pre-made launcher.</li> <li>✗ You can't just throw the object or hit it with something like a baseball bat.</li> </ul>
<p>When you're done, try your device with objects of various sizes and shapes. Which stays in the air the longest?</p>	
<b>Our tips to avoid angry parents</b>	
DON'T	DO:
<ul style="list-style-type: none"> <li> Don't launch your item at anyone or anything that could break.</li> <li> Don't fly your object so high that you can't get it back.</li> <li> Don't use yourself as the flying object.</li> </ul>	<ul style="list-style-type: none"> <li> Pick up whatever you launch.</li> <li> Test your invention in a safe space where nothing will break.</li> <li> Get permission to launch your item of choice.</li> </ul>

## 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 June 25, 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, June 26 until 5:00pm, Tuesday, June 27. See our [voting rules](#) for more information.

## 5 Winners announced by 8:00pm on June 27!

**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.