



INVENT THE SUMMER

Week 1: Egg Drop Landing Pad

1 Complete the Challenge.

Make a crash landing pad for an egg! Your challenge is to build a landing pad that will keep an unprotected egg safe from breaking when dropped from a height of at least 5 feet. You may not attach anything to the egg.

For kids
12 and
under!

The Rules

You CAN:

- ✓ Use any materials you want.
- ✓ Use any size or type of egg, as long as it's a real, raw egg!
- ✓ Drop the egg from at least 5 feet, but the higher the better.

You CAN'T:

- ✗ Add anything to the egg to slow down its fall or protect it on impact.
- ✗ Tamper with the egg before dropping it. No cooking it!
- ✗ Use a pre-made landing pad or cushion. You must make it from scratch.
- ✗ Use a fake egg.

When you're done, test the limits of your landing pad. What is the maximum height you can drop your egg from without it breaking?

🤔 Our tips to avoid angry parents 😊

DON'T

- 🤔 Throw eggs at or drop them on people, pets, or any living being!
- 🤔 Drop the egg from the roof or anywhere dangerous.
- 🤔 Don't leave your egg where it could break and make a mess.

DO:

- 😊 Get permission to use the egg(s).
- 😊 Test your solution with a plastic egg or something similar first!
- 😊 Clean up after yourself.
- 😊 Test your landing pad OUTSIDE!

2 Create a video of your Landing Pad.

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 June 26, 2022.

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, June 27 until 5:00pm EST on Tuesday, June 28. See our [voting rules](#) for more information.

5 Winners announced by 8:00pm on June 28!

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.