



INVENT THE SUMMER

Week 5: Build a House

1 Complete the Challenge.

Build a house that can hold up to extreme elements: like rain, wind, or earthquakes.

For kids
12 and
under!

The Rules	
You CAN:	You CAN'T:
<ul style="list-style-type: none"> ✓ Decorate your house. ✓ Test your house against a variety of weather elements. ✓ Use any materials you can find easily at home or outdoors. 	<ul style="list-style-type: none"> ✗ Purchase building materials from a store. ✗ Make a completely unrealistic house. It has to be livable - even if the only thing living in it is a Lego person. ✗ Build with hazardous materials.
<p>Test your house against various extreme elements. Does the inside stay dry in rain? Does it hold together in the wind? Can it withstand an earthquake?</p>	
 Our tips to avoid angry parents 	
DON'T	DO:
<ul style="list-style-type: none">  Use materials that are fragile.  Test your house against fire.  Destroy anything to get the materials for your house. 	<ul style="list-style-type: none">  Ask permission to use your materials.  Clean up after yourself.  Test against the elements in a safe place.

2 Create a video of your House.

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 July 24, 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, July 25 until 5:00pm EST on Tuesday, July 26. See our [voting rules](#) for more information.

5 Winners announced by 8:00pm on July 26!

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.