



# INVENT THE SUMMER

## Week 3: Water Cleaning Device

### 1 Complete the Challenge.

Design a device of any type that will help clean a body of water. It can remove trash or waste from the water, help make the water clearer, or make it safe for drinking.

For kids  
12 and  
under!

| The Rules  |   |
|--|---|
| You CAN:   | You CAN'T:  |
| <ul style="list-style-type: none"> <li>✓ Clean the water any way you want. It's up to you to decide how you want to help the environment.</li> <li>✓ Brag! Show us the difference between your clean and dirty water.</li> <li>✓ Use any body of water you want, even if you have to create your own dirty water.</li> </ul>   | <ul style="list-style-type: none"> <li>✗ Start with clean water. We want to see a before and after!</li> <li>✗ Use any premade or store-bought water cleaning devices.</li> <li>✗ Have your invention get damaged by water. It must be reusable.</li> </ul>   |
| Test your device in different bodies of water, or try cleaning up different types of pollutants. How much of a difference can you make?  |   |
|  <b>Our tips to avoid angry parents</b>    |   |
| DON'T  | DO:   |
| <ul style="list-style-type: none"> <li> Spill water everywhere.</li> <li> Get your dirty water from the sewer or storm drain.</li> <li> Leave out all of you supplies for your counselors to clean up.</li> </ul> | <ul style="list-style-type: none"> <li> Clean up any water you do spill.</li> <li> Ask your counselors to make sure the body of water is safe.</li> <li> Ask before you use materials that you might get wet.</li> </ul> |

## 2 Create a video of your Water Cleaning Device.

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 July 11, 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, July 12 until 5:00pm EST on Tuesday, July 13. See our [voting rules](#) for more information.

## 5 Winners announced by 8:00pm on July 13!

**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.