



INVENT THE SUMMER

Challenge #1 | Mystery Box

Social Distancing Edition



Your Objective:

Build a contraption to turn a light switch on and/or off without touching it directly. You must use each of our four mystery items.

The mystery items are: 1. String/Rope, 2. Paper Cup, 3. Paper Clips, 4. Pencil. You **MUST** use every item in a meaningful way.

You CAN:

- ☀ Use additional materials of any kind.
- ☀ Modify each mystery item in any way you wish.
- ☀ Turn the light on or off... or both!

You CAN'T:

- ☀ Simply flip or poke the switch with the pencil. You have to make some kind of contraption.
- ☀ Use any mystery item as decoration only. Every item must improve the function of your solution.
- ☀ Use a Clapper, or anything like that!

How to avoid angry parents:

DO:

- ☀ Clean up after yourself.
- ☀ Get permission before you start.
- ☀ Ask a parent to approve your choice of materials and where you intend to use them.

DON'T:

- ☀ Knock things over or break things.
- ☀ Do anything that will damage the house or anything in it (living or not).
- ☀ Test your solution at night when people are sleeping.



Take a video of your Mystery Box Light Switch Device.

Create a video of your solution. 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.



Ask a parent to enter your video into our contest by 9:00pm EST on Friday, March 27, 2020.

To enter our contest, you must 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 submitted videos will be reviewed prior to publishing online to ensure that the rules of the contest were followed and that the content is appropriate for all ages.*

Voting

Voting will open at 8:00am EST on March 28 and close at 5:00pm EST on March 29. See our [voting rules](#) for more information.

Winners announced after 8:00pm on March 29!

1 Popular Choice Winner

1 Board Pick - Individual/Siblings

1 Board Pick - Collaborating Team

All winners will receive an *Invent the Summer* t-shirt or drawstring bag.

Teams

You can compete as an individual or as a collaborating team. Since this is the Social Distancing Edition, members of a collaborating team must work remotely from each other and demonstrate how they collaborated with their partner(s) to complete the project.