INVENT THE SUMMER

Week 2: Marble Run

1 **Complete the Challenge.**

Save the world from a robot takeover! Create a prototype "rock" run using marbles. Make it as complicated as possible and be sure your marble changes directions at least 5 times in order to confuse the robots.

FOR KIDS 12 AND UNDER

The Rules	
You CAN:	**You CAN'T:**
✓ You can use any materials you want.	✗ You can't use a pre-made marble track.
✓ You can make your marble run long or short, free-standing or attached to the wall. Just make sure the marble changes directions **at least 5 times**.	✗ You can't use anything that will permanently damage your walls or floors.
✓ If you don't have a marble, you can use anything that will roll.	✗ You can't interfere with the marble mid-run.
When you're done, try using marbles of different sizes and weights. Which marbles finish the course fastest?	
😠 **Our tips to avoid angry parents** 😀	
DON'T	**DO:**
😠 Don't drop marbles everywhere for someone to slip on.	😀 Clean up after yourself.
😠 Don't let pets or babies eat the marbles.	😀 Build your track in a convenient place.
😠 Don't throw marbles at anyone.	😀 Get permission to use specific items.

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 July 2, 2023.

Ask a parent to upload your video to our website using our **online entry form**.
   <u>Do not upload your video to YouTube or Vimeo. Submit the original file.</u>

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, July 3 until 5:00pm, Tuesday, July 4. See our **voting rules** for more information.

⑤ Winners announced by 8:00pm on July 4!

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.