



DESIGN CHALLENGE

Move the Ping Pong Balls

Build a ping pong ball launcher to project ping pong balls into containers that are at least 10 feet away.

What You'll Need

- 10 toothpicks
- 1 sheet of sticky dots
- 2 drinking straws
- 12" of string
- 5 paper clips
- Ping pong balls
- Containers

Quote



Explain the quote listed in your own words, and then describe how it applies to the design challenge.

"Don't let the fear of losing be greater than the excitement of winning."

- Robert Kiyosaki



Reflection Questions:

Why did you make this type of launcher?

How does this launcher work?



Redesign Challenge:

How would you redesign for the container to be five feet away? How about 15 feet away?



Overall Design Reflection Questions:

- What were some interesting discoveries you made while working on the Design Challenges?
 - About the problems? About yourself?
- What were some of the difficulties of the Design Challenges?
 - What made them difficult?
- What were some learning moments?
 - What made them so?
- How can you use what you have learned in the future?

For more on design and engineering, check out – Robots to the Rescue Digital Exploration on TGR EDU: Explore tgreduexplore.org/curriculum