



DESIGN CHALLENGE

Move the Cotton Balls

Move the cotton balls into the paper bag without touching the cotton balls and staying at least three feet from the paper bag.

What You'll Need

- Cotton balls
- 6 mailing labels
- 3 two-foot length of string
- 2 spaghetti noodles
- 1 rubber band
- 1 tennis ball (this cannot be altered)

Quote



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

“You can design and create, and build the most wonderful place in the world. But it takes people to make the dream a reality.” –Walt Disney



Reflection Questions:

In what other ways can the cotton balls be moved?
How did you come up with your design?



Redesign Challenge:

How would you change what you did if you had to stay at least five feet from the paper bag?



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 flight, check out – To Our Solar System and Back Digital Exploration on TGR EDU: Explore tgreduexplore.org/curriculum