



DESIGN CHALLENGE

Basketball Shooter

Design a basketball shooter and hoop by planning, designing and executing your ideas!

What You'll Need

- 1 ping pong ball
- Straws
- Pipe cleaners
- Rubber bands
- Popsicle sticks
- Index cards
- Tape
- 1 small paper/plastic cup

Quote



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

“Goal-setting and achieving those goals - that's just what I do.”

- Lisa Leslie



Reflection Questions:

Explain the steps you took in creating your basketball shooter.

What was the biggest challenge in creating your basketball shooter and why?



Redesign Challenge:

Modify your design using a golf ball or heavier item to launch into the “hoop.”



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?

If you are finding these challenges fun and learning about what you enjoy doing, check out, our Find Your Passion activity, TGR EDU: Explore tgreduexplore.org/curriculum