



## DESIGN CHALLENGE

# Build an Alphabet Block

Create a cube/block with letters of the alphabet using the following materials

## What You'll Need

- Box or cardboard/paper shaped into a box
- Tape
- Glue
- Buttons
- 2 straws
- 5 paper clips
- 10 toothpicks
- 1 clothespin
- 1 12" square of aluminum foil
- 1 2" length of string
- 3 recycled plastic lids
- 3 rubber bands
- Scissors (you may not alter these)

## Quote:

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

"It does not matter how slowly you go as long as you do not stop."

- Confucius



### Reflection Questions:

What might you keep the same when you redesign and why?

What did you learn about designing through this challenge?



### Redesign Challenge:

How would you redesign your alphabet block for a child who cannot see (by using braille instead of alphabet letters)?



### 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?