

THINK ABOUT IT

THURSDAY

TODAY'S CHALLENGE: BUILD A PAPER STRUCTURE

Age Group: Whole family

Materials:

- Paper (newspaper, junk mail, index cards, etc.)
- 2 feet of tape (maximum)

The Challenge:

Using only materials from the list above, create a freestanding structure that is at least one foot high, and can hold a small stuffed animal or toy.

Think about it:

- What are some strong shapes that you see in bridges or towers?
- Could you combine the tape and paper to make a stronger material?
- What's the most important use of your tape?
- After you test: If you did this again, what would you do differently?

Use the Engineering Design Process to build your structure:

- **Define:** what is it that needs to be accomplished?
- **Brainstorm:** what are your ideas for meeting the criteria of the challenge?
- **Plan:** draw and discuss your design.
- **Make it!** and then **Test it!**
- **Improve:** make it better by repeating the Engineering Design Process again!



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