

miami children's museum®
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TALLEST TOWER CHALLENGE

Work Together Wednesday

Today we will work together to build the tallest tower we could possibly make! It's hard to build such a tower on your own. Maybe a friend or grown up can pass you a piece of tape, or hold up the roof for you, or lift you up to reach the very top?! And besides, aren't games more fun with a buddy?



RULES OF THE CHALLENGE:

Rule 1: You must use at least 4 different materials to build your tower.

Rule 2: You can only use TAPE to secure your materials.

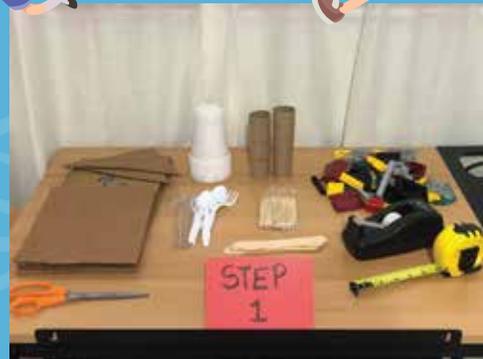
Rule 3: When you are finished, your tower must be freestanding. That means it must stand up all by itself!

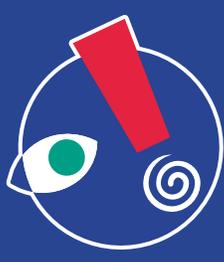


1

Gather Materials:

Cardboard
Toilet Paper / Paper Towel Rolls
Lego Bricks / Building Blocks
Popsicle Sticks / Wooden Skewers
Plastic Utensils
Plastic Cups
Scissors
Duct / Scotch Tape
Ruler / Measuring Tape





2



If you are using cardboard boxes, you can keep the box whole or use scissors to cut off different sized pieces. Cutting boxes can be difficult, so make sure to have a grown up help you!

3

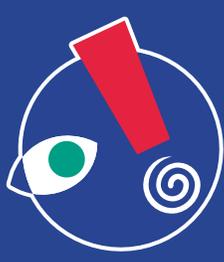


Build your base. Your base is the very bottom part of your tower. It will help support your tower from crumbling down. So, make sure your base is strong and secure. You can secure this base to the floor or to a tabletop.

4



It's time to start building your tower. Stack your various items on top of each other. Secure them together with tape. Do some items work better together than others? Does it feel like it will topple over? Try stacking your items differently. This is why working with a buddy is so helpful. Maybe they have another idea that can help the tower stand firmly. Remember to make it as tall as physically possible!



5



Have fun decorating your tower however you'd like. We gave ours a face!

6



Once you've completed your tower, make sure you measure it. Is it really the tallest tower ever?

7



No! Go back to it and make this tower even taller! Continue adding materials and securing them with tape until you're satisfied.

8



Once you've completed your tower (for real this time), measure it again and bask in the glory of its height! Could you have done this tower all by yourself? Was it helpful to work with a buddy? Try to create another tower with different materials. Which tower was taller? Could they both stand on their own without falling?