



# The Tech Challenge

Presented by  
Dell Technologies

# Create with Cardboard

Ready for a little Tech Challenge fun?  
Let's build some creations out of cardboard!


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Create with cardboard ... no tape or glue allowed!

**You'll need some building materials, connectors and a ball or something heavy for testing.**

Use what you have and be creative!



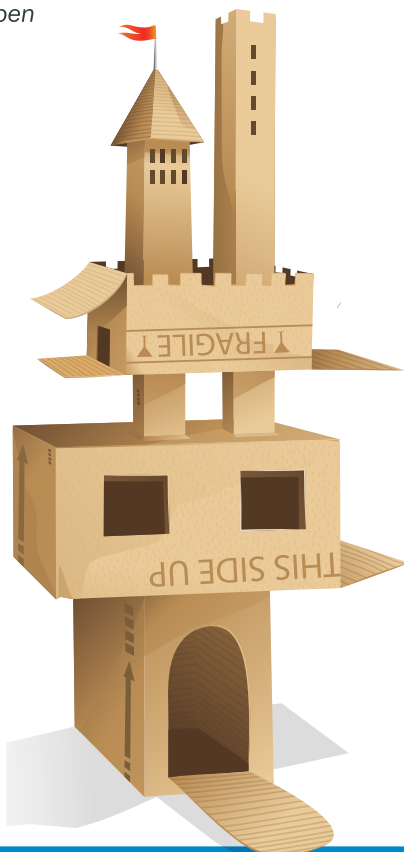
Building materials	Connectors	Additional materials	No tape or glue!
<ul style="list-style-type: none"> <li>• Flat pieces of cardboard*</li> <li>• Cereal boxes</li> <li>• Paper</li> <li>• Toilet paper rolls</li> </ul>	<ul style="list-style-type: none"> <li>• Binder clips</li> <li>• Paper clips</li> <li>• Twist ties</li> <li>• String</li> </ul>	<ul style="list-style-type: none"> <li>• Something heavy to test your creation.</li> <li>• A ball to balance on top of your creation.</li> </ul>	 Why? Because building without tape or glue lets you change your designs faster and makes it easier to reuse materials.

*\*Start with flat pieces of cardboard. Carefully cut open cardboard boxes. Ask an adult for help if needed!*

## Ready, set, build!

Using only cardboard or paper and some connectors, choose one of the following challenges:

- How high can you make your creation before it tips over?
- Build something and see how much weight it will hold.
- Build a tall structure and balance a ball on top of it. How high can you go before the ball falls?



## Bonus challenges

- Have someone cut your cardboard into random sizes and shapes and try building with them.
- Build a piece of life-sized furniture (chair, sofa) out of cardboard. Can it hold your weight? Be safe testing!

## Questions to ask yourself:

- If you could use another building material, what would you use and why?
- What would make your creation sturdier?
- How could your creation be used in the real-world?

Share what you build on Facebook using **#TheTechChallenge**

[thetech.org/techchallenge](http://thetech.org/techchallenge)