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!

Created June 2020

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

You'll need some building materials, connectors and a ball or something heavy for testing.
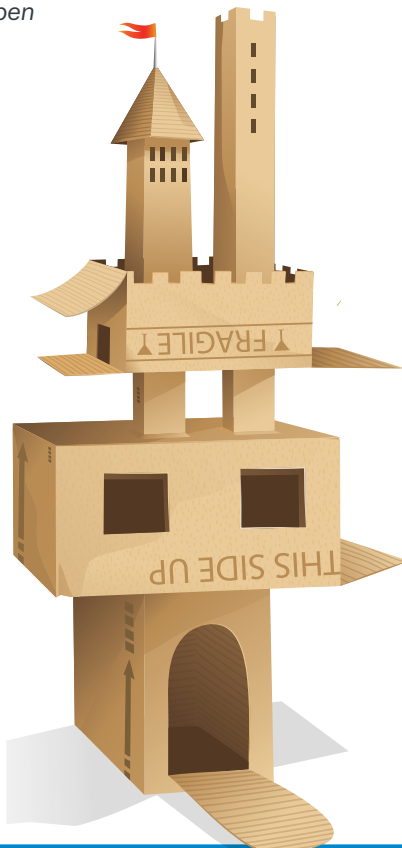Use what you have and be creative!

Building materials	Connectors	Additional materials	No tape or glue!
• Flat pieces of cardboard* • Cereal boxes • Paper • Toilet paper rolls	• Binder clips • Paper clips • Twist ties • String	• Something heavy to test your creation. • A ball to balance on top of your creation.	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