



STEM Wars 2025

Cardboard Furniture Creations

Event Coordinator:

- Ken Franzen
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- Please contact him with any questions.

Instructions:

- Design the most elaborate and functional cardboard furniture piece. Ideas may focus around, but are not limited to, chairs, recliners, and tables. Teams are allowed to use adhesive, fasteners, or tape to secure and fasten the cardboard together.
- Your project may not be physically larger than 4'x6'

Grading Criteria:

	10	5	1
Creativity	Student created a new object or idea that has never be done before.	Student modified a pre-existing idea and made it more useful or functional.	Student used Pinterest, Instructables, or another reference site to gain their idea.
Design	The design was well thought out from aesthetics, individual components and assembly procedure.	The design was good, and was mostly planned out. Thought was taken into the design, but one or two things could have been improved.	The design works, but things could have been easily changed including individual pieces to assemble.
Appearance	The project looked like it could be sold in a store.	Appearance was not necessarily a concern and one or two things could have been improved.	Appearance was a major concern. Parts are rough, torn, and were more functional than pretty.
Functionality	Project can easily be used and looked like it will stand up to routine use.	Project will hold up to light and occasional use.	Project functions, but may not hold up to more than a few uses.
Construction	The construction was flawless and solid.	Construction was a concern and a few items look problematic.	Several pieces were loose and many things were flimsy.
Documentation of Production	Student documented the design and construction process flawlessly. Each step was visible and easily identifiable.	Student documented almost all of the major steps, but some items and steps were missing.	Student documented most of the major parts such as the design, layout and final construction. However many steps were missing.