

# Tech Wars 2020 – Niagara County Community College

**Competition Category:** Cardboard Chair Competition

**Level of Competition:** High School

**Event Coordinator:** Mike Lepkyj [mlepkyj@medinacsd.org](mailto:mlepkyj@medinacsd.org)

## **Description of the Competition:**

Design and build a unique functional and comfortable cardboard chair! This activity asks your group to design and build a full-sized chair from corrugated cardboard. We are looking for comfort with functionality and a creative unique design.

## **Competition Components:**

1. There will be 6 judges 1 adult and 5 students.
2. Each judge will ask what the chairs function or purpose is (loungue, gaming, office, etc...)
3. Each judge will complete a rubric for scoring. All 6 rubrics from the judges will be added to form a score and the highest score will win.

## **Materials:**

1. Untreated corrugated cardboard
2. Adhesive of team's choice

## **Testing Conditions:**

1. The chair must be able to hold an adult weighing between 200-250 lbs.
2. The chair must be able to hold a high school student.
3. One group member must be present to explain the chairs function/purpose

## **Scoring Rubric:**

1. Chair functionality in relation to its purpose (1-100pts)
2. Comfortability (1-100pts)
3. Creativity/ Originality (1-100pts)
4. Chair Strength/ Supports weight adequately (1-100pts)

