

Engineering Design Presentation-Cardboard Chair

Objective: Create a presentation to be delivered to the class including the following information.

1. **Describe the Engineering Design Process and describe what you did in each step of the process.** Have props or pictures to help describe.

2. **Describe the science or engineering decisions behind your design. For example: the use of**
 - **center of gravity**
 - Loads
 - Joints
 - Orthotropic vs. Isotropic Materials
 - Tensile and Compressive strength
 - Bending
 - Struts
 - Ties
 - Columns
 - Beams
 - Triangles
 - Hidden Triangles
 - Buttresses
 - Trusses

Refer to the packet we studied.

- **Where were these seen in your design?**
 - **Why did you design it the way you did and how did the above information influence your decisions?**
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3. **Describe the challenges you encountered and how you overcame them?**