

New Jersey SkillsUSA Championships

NJ State Only Contest

DESIGN & BUILD / PLYWOOD CHALLENGE

This event is a "NJ only" state sponsored contest.
There is no national level competition in this area.

2023 Project Theme: Contestants are to design and build a "Lectern" from a single sheet of plywood.

Eligibility

Open for one team of two active SkillsUSA members enrolled in programs with carpentry as the occupational objective.

Scope of Contest

Contestants are to design a project according to the theme during their school instruction. Teams are to create a project drawing to bring to the contest, work from it during the contest, and submit it to the judges. One original copy of the project drawing will need to be submitted for scoring. Contestants may use the internet, magazines, other drawings, etc., for design ideas but may not copy drawings and use them in the contest submissions. All drawings must be 100% original drawings. Contestants found with any copied drawings will be penalized 75 points from the total team score. Contestants are permitted to bring hardware to install for the completion of their project if necessary.

Clothing Requirements

- Wear any color matching work shirt and pants, black, brown, or tan leather work boots.
- Contestants must bring their own safety glasses to wear during the competition.

Supplied by the technical committee

- Power to worksite. (Not an extension cord)
- One sheet of $\frac{3}{4}$ " sanded plywood.
- 2 –2x4x8 will be supplied to make a worktable. Teams found using the 2x4 as a component of the project will lose 25 points from the total team score.

Supplied by each team

The contestants must bring two copies of their original drawing.

Contestants may bring hand and portable power tools needed to construct the project. Table and miter saws, pneumatic, electric or battery fasteners like nail guns or staplers will not be permitted for use during the contest. Teams are required to bring one pair of ready-to-use saw-horses – wood, plastic, or metal; completed or fold-up is acceptable. Teams can bring the necessary hardware and fasteners to complete their projects. Contestants must bring their own safety glasses to wear during the contest.

Contest Coordinator: Stephen White/ swhite@gcecnj.org

Design/Build Plywood Challenge Scoresheet	
Criteria	Points
Project Drawing Scoring	30 Possible Points
Project alignment with the theme	1-5
Plans project a clear image of the project. (Three views)	1-5
Plans include sufficient dimensions	1-5
Plans indicate the material that will be used	1-5
Completed project matches the plans	1-5
Include specifications and detail drawings	1-5
Project Construction Scoring	70 Possible Points
Use of material	1-5
Project completeness	1-10
Accurate cuts	1-10
Tight joints	1-10
Consistent fastening	1-10
Overall construction	1-10
Design creativity and difficulty	1-5
Project finished and sanded	1-5
Resume submission	5
Clothing or safety deduction	Up to -10
<u>Total</u>	