



Cabinetmaking

Career Competition

Career Cluster: Architectural and Construction

State Qualifying Exam: Yes

National Contest: Yes

Participation: Individual

Competition Description

The competition consists of workstations that require the building of a small cabinet or piece of furniture from the materials and drawings supplied. Competitors are expected to read the drawings and lay out and cut the parts using a table saw, laminate trimmer, hand drill, hinge boring machine and various hand tools. The parts must be accurately assembled, sanded and adjusted to tolerances specified by the judges.

Tasks To Be Evaluated

- Apply wood veneers and plastic laminates
- Assembly, fasten and install components
- Cut and shape components
- Design and layout materials
- Finish surfaces

Clothing Requirement

National Requirement:

Class C: Competition Specific: Manufacturing/
Construction Khaki Attire

- Official SkillsUSA khaki short-sleeve work shirt
- Khaki pants
- Black, brown, or tan leather work shoes.

State Requirement:

National Requirement OR

- Khaki short-sleeve work shirt
- Work pants of any kind are acceptable dress (no jeans)
- Black, brown, or tan leather work shoes.
- Any embroidered names or school patches must be covered, if applicable.

Provided by Competitor

- Safety Glasses ***Students must wear Safety Glasses at all times***
- 1 Bottle of Glue
- Three 8 ½” x 11” Sheets of Sandpaper (Varied Grits)
- Sanding Block
- Block Plane
- Nail Sets (1/32”,1/16”,3/32”)
- Hammer
- 4-36” or 48” Bar Clamps
- 2 8”-10” Wood Clamps
- 2 Pencils
- Utility Knife/Veneer Cutter
- One Set of Chisels (1/4”-1”)
- Flat Blade and Phillips Head Screw Drivers
- Hand Scraper/ Cabinet Scraper
- Measuring Tape
- Combination Square
- 10” or 12” Mill Bastard File
- Nail Apron



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Additional Information

Competitors should be competent using the table saw, miter saw, router, router table and biscuit joiner. There will be routed trim, drawer slides and hinges.

Note: Safety glasses must have side shields or goggles. (Prescription glasses may be used only if they are ANSI Z87.1 certified, equipped with side shields. If not, they must be covered with goggles.)

- Drill (Battery or Electric)
- Impact driver
- Drill Bits/Phillips driver bit and #2 square
- Jigsaw
- Masking Tape
- Calculator
- Biscuit Joiner (optional)
- Scratch Awl
- Hinge jig (optional)
- Pocket hole jig (optional)
- Resume, printed copy

Provided by Technical Committee

- Materials and plans
- All necessary power tools, equipment, and workstations for competitors