



**Cabinetmaking
(CM)**
Architecture and Construction

**Skilled and Technical Sciences Contests
Contest Information**

State Qualifying Exam: Yes

National Contest: Yes

Participation: Individual

Contest Description

This competition requires the building of a small cabinet from 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

Requires the building of a small cabinet from materials and drawings supplied.

Clothing Requirement

National Requirement:

- Official SkillsUSA khaki work shirt and pants; black, brown or tan leather work shoes; and safety glasses with side shields or goggles.
 - Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.

State Requirement:

- National Requirement OR similar "like" clothing.

Supplies Provided by Technical Committee

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

Supplies Provided by Contestant

- Safety Glasses (prescription are not 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
- Drill (Battery or Electric)
- Impact driver
- Drill Bits/Phillips driver bit and #2 square
- Masking Tape
- Calculator
- Biscuit Joiner
- Scratch Awl
- European Hinge Jig (Opt.)
- Iron (Opt.) (some will be provided)
- Pocket whole Jig (optional)

There will be a pocket hole machine to use. Contestants are welcome to bring their own jig if they would rather use that. Having a longer square drive or phillips bit to install pocket hole screws is recommended.

Additional Information

Students should be competent using the tablesaw, miter saw, router, router table and biscuit joiner. There will be iron on edge veneering and Blum European hinges